

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

Om protein - protein search, using sw model

Run on:

March 14, 2005, 10:48:30 ; Search time 136 Seconds

(without alignments)

56.2.677 Million cell updates/sec

Title:

US-09-847-208B-3

Perfect score:

1260

Sequence:

1 EPKSCDKHTCPPCPAPPELL.....MHEALHNHYQQRSLSLSPGK 232

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched:

1396920 seqs, 329844858 residues

Total number of hits satisfying chosen parameters:

881024

Minimum DB seq length:

0

Maximum DB seq length:

232

Post-processing:

Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA.*

1: /cgmn_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

2: /cgmn_6/ptodata/2/pubpaa/PCT_NEW_PUB_pep:*

3: /cgmn_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

4: /cgmn_6/ptodata/2/pubpaa/US07_NEW_PUB_pep:*

5: /cgmn_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*

6: /cgmn_6/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

7: /cgmn_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

8: /cgmn_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

9: /cgmn_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

10: /cgmn_6/ptodata/2/pubpaa/US09 NEW_PUB_pep:*

11: /cgmn_6/ptodata/2/pubpaa/US09 NEW_PUB_pep:*

12: /cgmn_6/ptodata/2/pubpaa/US10 NEW_PUB_pep:*

13: /cgmn_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*

14: /cgmn_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*

15: /cgmn_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*

16: /cgmn_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep:*

17: /cgmn_6/ptodata/2/pubpaa/US10 NEW_PUB_pep:*

18: /cgmn_6/ptodata/2/pubpaa/US11 NEW_PUB_pep:*

19: /cgmn_6/ptodata/2/pubpaa/US60_NEW_PUB_pep:*

20: /cgmn_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

ALIGNMENTS

RESULT 1

US-09-847-208-3

; Sequence 3, Application US/09847208

; Publication No. US20030082190A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; APPLICANT: Zhang, Ke

; TITLE OF INVENTION: ZHU, Dacheng

; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

; TITLE OF INVENTION: IGB-MEDIATED ALLERGIC DISEASES

; FILE REFERENCE: UCI57.002A

; CURRENT APPLICATION NUMBER: US/09-847,208

; CURRENT FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 177

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 232

; TYPE: PRT

;

;

; ORGANISM: Homo sapiens

; US-09-847-208-3

Result No.	Score	Query	Match Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	14	US-10-000-439-3
3	1225	97.2	232	9	US-09-996-337-10
4	1225	97.2	232	10	US-09-389-782-1
5	1225	97.2	232	16	US-10-617-619-7
6	1225	97.2	232	16	US-10-761-593-26
7	1219	96.7	232	14	US-10-071-499-15
8	1219	96.7	232	14	US-10-020-354-83
9	1219	96.7	232	15	US-10-466-593-2
10	1209	96.0	232	9	US-09-977-034-4
11	1209	96.0	232	14	US-10-292-418-2
12	1209	96.0	232	15	US-10-418-58-6
13	1209	96.0	232	17	US-10-953-259-4

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Qy 181 PVLDSVGSPFLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232
Db US-09-996-357-10
; Sequence 3, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067-004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-3

Query Match Best Local Similarity 100.0%; Score 1260; DB 14; Length 232; Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYTDGVVERHVNVTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120
Db 61 NWYTDGVVERHVNAKTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120

Qy 121 ISRAKVQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180
Db 121 ISRAKGQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180

Qy 181 PVLDSVGSPFLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232
Db 181 PVLDGSFPLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232

RESULT 3
US-09-996-357-10
; Sequence 10, Application US/09996357
; Patent No. US2002013001A1
; GENERAL INFORMATION:
; APPLICANT: Geffner, Malcolm L
; APPLICANT: Isreal, David I
; APPLICANT: Joyal, John L
; APPLICANT: Gosselin, Michael
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR
; TREATING AN AMYLOIDGENIC DISEASE
; FILE REFERENCE: P1-105
; CURRENT APPLICATION NUMBER: US/09/996,357
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 60/253,302
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/250,198
; PRIOR FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: 60/257,186
; PRIOR FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 232
; TYPE: PRT

Query Match Best Local Similarity 97.2%; Score 1225; DB 10; Length 232; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYTDGVVERHVNVTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120
Db 61 NWYTDGVVERHVNAKTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120

Qy 121 ISRAKVQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180
Db 121 ISRAKGQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180

Qy 181 PVLDSVGSPFLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232
Db 181 PVLDGSFPLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232

RESULT 4
US-09-389-782-1
; Sequence 1, Application US/09389782
; Publication No. US20030144187A1
; GENERAL INFORMATION:
; APPLICANT: Mann, Michael B.
; APPLICANT: Dunstan, Colin R.
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods
; FILE REFERENCE: A-604
; CURRENT APPLICATION NUMBER: US/09/389,782
; CURRENT FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
; US-09-389-782-1

Query Match Best Local Similarity 97.0%; Score 1225; DB 10; Length 232; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60
Db 1 EPKSCDKTHTCPPCPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYTDGVVERHVNVTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120
Db 61 NWYTDGVVERHVNAKTKPREREQNMSTYRVSVLTULHOMMNGKEYKCKVSNKALPAIETK 120

Qy 121 ISRAKVQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180
Db 121 ISRAKGQPREPQYTLPPSRDELTKNQVSLLTCLVKGFYPSDIAVWESENQOPENNYKTP 180

Qy 181 PVLDSVGSPFLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232
Db 181 PVLDGSFPLYSLKLTVDKSRWQGNVFSCSWMHEALHNHYQRSLSLSPGK 232

RESULT 5
US-10-617-619-7
; Sequence 7, Application US/10617619
; Publication No. US20040110929A1
; GENERAL INFORMATION:
; APPLICANT: Bjorn, Soren E
; APPLICANT: Nicolaisen, Else M
; APPLICANT: Jorgensen, Anker S

; TITLE OF INVENTION: TF Binding Compound
; FILE REFERENCE: 6435.200-US
; CURRENT APPLICATION NUMBER: US/10/617,619
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099
; PRIOR FILING DATE: 2002-07-12
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Human
; US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 5; 3e-90; Mismatches 4; Indels 0; Gaps 0;
Matches 225; Conservative 3;

Qy 1 EPKSCKDKHTCPCPAPELLGGPSVFLPPKPKDTLMISRTEVTCVVVDASHEDPEVKP 60
Db 1 EPKSCKDKHTCPCPAPELLGGPSVFLPPKPKDTLMISRTEVTCVVVDASHEDPEVKP 60

Qy 61 NWYVGDGVVHNVTKTPREQQNSTYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120
Db 61 NWYVGDGVVHNVTKTPREQQNSTYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120

Qy 121 ISKAKVQPREPQYTLPSSRDELTKNQSLTICLVKGFPYSDIAVEWENQOPENNYKTP 180
Db 121 ISKAKVQPREPQYTLPSSRDELTKNQSLTICLVKGFPYSDIAVEWENQOPENNYKTP 180

Qy 181 PVLDVGSPFLYSKLTVDKSRWQOGNVFSCSVMEHALHNHYTOKSLSPGK 232
Db 181 PVLDVGSPFLYSKLTVDKSRWQOGNVFSCSVMEHALHNHYTOKSLSPGK 232

RESULT 6
US-10-761-593A-26

; Sequence 26, Application US/10761593A
; Publication No. US20040115824A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Lee-Hwei K
; APPLICANT: Sun, Bill N
; APPLICANT: Sun, Cecily R
; TITLE OF INVENTION: Fc fusion proteins of human erythropoietin with high biological
; TITLE OF INVENTION: activities
; FILE REFERENCE: 02SUN2001-A

CURRENT APPLICATION NUMBER: US/10/761,593A
CURRENT FILING DATE: 2004-01-21
PRIOR APPLICATION NUMBER: 091932812
PRIOR FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.2
SEQ ID NO 26
LENGTH: 232
TYPE: PRT
ORGANISM: Homo sapiens
US-10-761-593A-26

Query Match 97.2%; Score 1225; DB 16; Length 232;
Best Local Similarity 97.0%; Pred. No. 5; 3e-90; Mismatches 4; Indels 0; Gaps 0;
Matches 225; Conservative 3;

Qy 1 EPKSCKDKHTCPCPAPELLGGPSVFLPPKPKDTLMISRTEVTCVVVDASHEDPEVKP 60
Db 1 EPKSCKDKHTCPCPAPELLGGPSVFLPPKPKDTLMISRTEVTCVVVDASHEDPEVKP 60

Qy 61 NWYVGDGVVHNVTKTPREQQNSTYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120
Db 61 NWYVGDGVVHNVTKTPREQQNSTYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120

Qy 121 ISKAKVQPREPQYTLPSSRDELTKNQSLTICLVKGFPYSDIAVEWENQOPENNYKTP 180
Db 121 ISKAKVQPREPQYTLPSSRDELTKNQSLTICLVKGFPYSDIAVEWENQOPENNYKTP 180

Qy 181 PVLDVGSPFLYSKLTVDKSRWQOGNVFSCSVMEHALHNHYTOKSLSPGK 232
Db 181 PVLDVGSPFLYSKLTVDKSRWQOGNVFSCSVMEHALHNHYTOKSLSPGK 232

RESULT 8
US-10-020-354-83

; Sequence 83, Application US/10020354
; Publication No. US20030190311A1
; GENERAL INFORMATION:
; APPLICANT: DALL'ACQUA, WILLIAM
; APPLICANT: JOHNSON, LESLIE
; APPLICANT: WARD, ELIZABETH SALLY
; TITLE OF INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF
; FILE REFERENCE: 10271-027
; CURRENT APPLICATION NUMBER: US/10/020,354
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 601254,884
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 601238,760
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 83
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;

Best local similarity 96.1%; Pred. No. 1.6e-89; Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60
Db 1 EPKSCDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60

QY 61 NWYVGVEVHNVKTKPREEQNSTYRVSVLTVLHQWMMNGKEYKCKVSKNKLAPIEKT 120
Db 61 NWYVGVEVHNVKTKPREEQNSTYRVSVLTVLHQWMMNGKEYKCKVSKNKLAPIEKT 120

QY 121 ISAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKCKPSIAVEENQOPENNYKTP 180
Db 121 ISAKQPREPOVYTLPPSRDELTKNOVSLTCLVKCKPSIAVEENQOPENNYKTP 180

QY 181 PVLDGSFELISKLTVDKSRWQGNGVFCSCVMHEALHNHYQORSLSPGK 232
Db 181 PVLDGSFELISKLTVDKSRWQGNGVFCSCVMHEALHNHYQORSLSPGK 232

RESULT 9
US-10-466-593-2
; Sequence 2, Application US/10466593
; Publication No. US20040404345A1
; GENERAL INFORMATION:
; APPLICANT: Schumacher, Silke
; TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH
; TITLE OF INVENTION: GLUCOCEREBROSIDASE ACTIVITY
; CURRENT APPLICATION NUMBER: US/10/466,593
; CURRENT FILING DATE: 2003-07-17
; PRIOR APPLICATION NUMBER: PCT/EP01/15328
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: EP 01101056.8
; PRIOR FILING DATE: 2001-01-18
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo Sapiens
; US-10-466-593-2

Query Match 96.0%; Score 1209; DB 9; Length 232;
Matches 222; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60
Db 1 EPKSSDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60

QY 61 NWYVGVEVHNVKTKPREEQNSTYRVSVLTVLHQWMMNGKEYKCKVSKNKLAPIEKT 120
Db 61 NWYVGVEVHNVKTKPREEQNSTYRVSVLTVLHQWMMNGKEYKCKVSKNKLAPIEKT 120

QY 121 ISAKVQPREPOVYTLPPSRDELTKNOVSLTCLVKCKPSIAVEENQOPENNYKTP 180
Db 121 ISAKQPREPOVYTLPPSRDELTKNOVSLTCLVKCKPSIAVEENQOPENNYKTP 180

QY 181 PVLDGSFELISKLTVDKSRWQGNGVFCSCVMHEALHNHYQORSLSPGK 232
Db 181 PVLDGSFELISKLTVDKSRWQGNGVFCSCVMHEALHNHYQORSLSPGK 232

RESULT 11
US-10-292-418-2
; Sequence 2, Application US/10292418
; Publication No. US2003019365A1
; GENERAL INFORMATION:
; APPLICANT: Lo, Kin-Ming
; APPLICANT: Li, Yue
; APPLICANT: Gillies, Stephen D
; TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as
; TITLE OF INVENTION: Immunofinsins
; FILE REFERENCE: LEX-006C1
; CURRENT APPLICATION NUMBER: US/10/292,418
; CURRENT FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: 09/383,315
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: US 6/0/97,883
; PRIOR FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-292-418-2

Query Match 96.0%; Score 1209; DB 14; Length 232;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60
Db 1 EPKSSDKHTCPPCPAPELLGGPSVFLPPRKPDITMISRTPEVTCVVVVDVSHDEPVKF 60

QY 61 NWYVGVEVHNVKTKPREEQNSTYRVSVLTVLHQWMMNGKEYKCKVSKNKLAPIEKT 120

RESULT 12
US-10-419-058-6
; Sequence 6, Application US/10419058
; Publication No. US20040053366A1
; GENERAL INFORMATION:
; APPLICANT: Lo, Kin-Ning
; APPLICANT: Zhang, Jinyang
; APPLICANT: Gillies, Stephen D.
; TITLE OF INVENTION: Expression and Export of Anti-Obesity Proteins as Fc
; TITLE OF INVENTION: Fusion Proteins
; FILE REFERENCE: LEX-008
; CURRENT APPLICATION NUMBER: US/10/419,058
; CURRENT FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: US/09/479,508
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 60/115,079
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 6
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-419-058-6

Query Match 96.0%; Score 1209; DB 15; Length 232;
Best Local Similarity 95.0%; Pred. No. 1e-88; Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDKHITCPCPAPELIGPSPVFLPPKPKDTMSRTPETCVJNEDSHEDPEVKF 60
Db 1 EPKSCDKHITCPCPAPELIGPSPVFLPPKPKDTMSRTPETCVJNEDSHEDPEVKF 60
Qy 61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTVLHQDWLNGKEYKCKSNSKALPAPETKT 120
Db 61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTVLHQDWLNGKEYKCKSNSKALPAPETKT 120
Qy 121 ISKAKVQREPQVTLPSSRELENKQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
Db 121 ISKAKVQREPQVTLPSSRELENKQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
Qy 181 PVLDVGSPFLYSKLTUVKSRSRQGNVSCSVRHEALTHNHYTOKSLSISPGK 232
Db 181 PVLDVGSPFLYSKLTUVKSRSRQGNVSCSVRHEALTHNHYTOKSLSISPGK 232
; US-10-313-135-4
; Sequence 4, Application US/10313135
; Publication No. US20030109003A1
; GENERAL INFORMATION:
; APPLICANT: Mosley, Bruce
; APPLICANT: Cosman, David J.
; TITLE OF INVENTION: Receptor for Oncostatin M
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER REARABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Apple 7.1
; SOFTWARE: Microsoft Word, Version 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US10/313,135
; FILING DATE: 06-Dec-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/058,264
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/08/308,881
; FILING DATE: 12-Sep-1994
; APPLICATION NUMBER: US 08/249,553
; FILING DATE: 26-May-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Seese, Kathryn A.
; REGISTRATION NUMBER: 32,172
; REFERENCE/DOCKET NUMBER: 2614-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; TELEX: 756822
; INFORMATION FOR SEQ ID NO: 4:

RESULT 13
US-10-953-259-4
; Sequence 4, Application US/10953259
; Publication No. US20050042729A1
; GENERAL INFORMATION:
; APPLICANT: Lo, Kin-Ming
; APPLICANT: Sun, Yaping
; APPLICANT: Gillies, Stephen D.
; TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as Fc
; TITLE OF INVENTION: Fc Fusion Proteins
; FILE REFERENCE: LEX-009WCI
; CURRENT APPLICATION NUMBER: US/10/953,259
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US 09/977,034
; PRIOR FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: US 09/575,503

PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: US 60/134,895
PRIOR FILING DATE: 1999-05-19
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 4
LENGTH: 232
TYPE: PRT
ORGANISM: Homo sapiens
; US-10-953-259-4

Query Match 96.0%; Score 1209; DB 17; Length 232;
Best Local Similarity 95.0%; Pred. No. 1e-88; Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;
Matches 222; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 1 EPKSCDKHITCPCPAPELIGPSPVFLPPKPKDTMSRTPETCVJNEDSHEDPEVKF 60
Db 1 EPKSCDKHITCPCPAPELIGPSPVFLPPKPKDTMSRTPETCVJNEDSHEDPEVKF 60
Qy 61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTVLHQDWLNGKEYKCKSNSKALPAPETKT 120
Db 61 NWYVDGVEVHNVKTKPREQNYSTYRVSVLTVLHQDWLNGKEYKCKSNSKALPAPETKT 120
Qy 121 ISKAKVQREPQVTLPSSRELENKQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
Db 121 ISKAKVQREPQVTLPSSRELENKQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
Qy 181 PVLDVGSPFLYSKLTUVKSRSRQGNVSCSVRHEALTHNHYTOKSLSISPGK 232
Db 181 PVLDVGSPFLYSKLTUVKSRSRQGNVSCSVRHEALTHNHYTOKSLSISPGK 232

SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4;

US-10-313-135-4

Search completed: March 14, 2005, 11:00:28
Job time : 137 secs

Query Match Similarity 95.3%; Score 1201; DB 14; length 232;
Best Local Similarity 94.4%; Pred. No. 4.4e-88;
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
SEQUENCE DESCRIPTION: SEQ ID NO: 4;

```

QY 1 EPKSCDKTHCPGPAPALEGGESVFLPPPKPDTIMSRTEPVTCVWDIDSHEDBEVKF
Db 1 EPRSCDKTHCPGPAPALEGGESVFLPPPKPDTIMSRTEPVTCVWDIDSHEDBEVKF 60
QY 61 NWYTDGVETENVKUKPREGQYNTSYRVSILTVLHQWMMNGKEYKCKVSNKALPAIETK
Db 61 NWYTDGVETENVKUKPREGQYNTSYRVSILTVLHQWMMNGKEYKCKVSNKALPAIETK 120
QY 121 ISKAKVOPREPOQYTLPSRDELTKNQSLTCLVKGKFYPSDIAVENSNGCOPENNYKTP
Db 121 ISKAKGQQRPQYTLPSRDELTKNQSLTCLVKGKFYPSDIAVENSNGCOPENNYKTP 180
QY 181 PVLDSVGPFPLSKLTWKSRSQGQNVFSCSVMHEALHNHYTQKSLSLSPGK 232
Db 181 PVLSDGSFFLYSKLTWKSRSQGQNVFSCSVMHEALHNHYTQKSLSLSPGK 232

```

RESULT 15

US-10-879-994-8

; Sequence 8, Application US/10879994
; Publication No. US20050032175A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; APPLICANT: Karow, Margaret
; APPLICANT: Smith, Eric
; TITLE OF INVENTION: HIGH AFFINITY FUSION PROTEINS AND THERAPEUTIC AND DIAGNOSTIC METH
; TITLE OF INVENTION: USE
; FILE REFERENCE: REG 203E2
; CURRENT APPLICATION NUMBER: US/10/879,994
; CURRENT FILING DATE: 2004-06-29
; PRIOR APPLICATION NUMBER: 10/610,452
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO: 8
; LENGTH: 229
; TYPE: PRT
; ORGANISM: homo sapiens
; US-10-879-994-8

Query Match Similarity 94.9%; Score 1196; DB 17; Length 229;
Best Local Similarity 96.5%; Pred. No. 1.1e-87;
Matches 221; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
SEQUENCE DESCRIPTION: SEQ ID NO: 4;

```

QY 4 SCDKHTCPGPAPALEGGESVFLPPPKPDTIMSRTEPVTCVWDIDSHEDBEVKF
Db 1 SGDKHTCPGPAPALEGGESVFLPPPKPDTIMSRTEPVTCVWDIDSHEDBEVKF 63
QY 64 VDGVEHVKTKREREQNSTRVSVLTVLQWANGKEKCKVSNKALPAIETK
Db 61 VDGVEHVKTKREREQNSTRVSVLTVLQWANGKEKCKVSNKALPAIETK 123
QY 124 AKYTOPREPOQYTLPSRDELTKNQSLTCLVKGKFYPSDIAVENSNGCOPENNYKTP
Db 121 AKGQQRPQYTLPSRDELTKNQSLTCLVKGKFYPSDIAVENSNGCOPENNYKTP 183
QY 184 DSGSPFFLYSKLTWKSRSQGQNVFSCSVMHEALHNHYTQKSLSLSPGK 180
Db 181 DSGSPFFLYSKLTWKSRSQGQNVFSCSVMHEALHNHYTQKSLSLSPGK 229

```

OM protein - protein search, using sw model
 Run on: March 14, 2005, 10:48:29 ; Search time 42 Seconds
 Copyright (c) 1993 - 2005 Compugen Ltd.
 GenCore version 5.1.6

SUMMARIES

```
3: /cgn2_6/ptodata/1/1aa/FlorisComb.pbp:  
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:  
6:
```

Copyright (c) 1993 - 2005 Compugen Ltd.
GenCore version 5.1.6
OM protein - protein search, using sw model
Run on: March 14, 2005, 10:48:29 ; Search time 42 Seconds
(without alignments)
412.347 Million cell updates/sec
Title: US-09-847-208B-3
Perfect score: 120
Sequence: 1 EPKSCDKTHTCPPCPAPBELL. MIEBALHNHYQDLSLSPGK 232
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5
Searched: 513545 seqs, 74649064 residues
Total number of hits satisfying chosen parameters: 405306

ARGUMENTS

28	1183	93.9	232	4	US-09-466-496-8	Sequence 8, Appli
29	1183	93.9	232	4	US-09-871-856-4	Sequence 8, Appli
30	1183	93.9	232	4	US-09-871-951-8	Sequence 8, Appli
31	1183	93.9	232	4	US-09-877-650-8	Sequence 8, Appli
32	1183	93.9	232	4	US-09-865-363-8	Sequence 8, Appli
33	1183	93.9	232	4	US-09-688-559-8	Sequence 8, Appli
34	1134	90.0	218	4	US-09-483-588-4	Sequence 4, Appli
35	1128	89.5	218	4	US-09-483-588-3	Sequence 4, Appli
36	1124	89.2	212	1	US-08-430-533-4	Sequence 4, Appli
37	1124	89.2	212	2	US-08-620-694A-4	Sequence 4, Appli
38	1124	89.2	212	2	US-08-636-854-4	Sequence 4, Appli
39	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
40	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
41	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
42	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
43	1124	89.2	212	3	US-09-022-255-4	Sequence 4, Appli
44	1124	89.2	212	3	US-09-022-257-4	Sequence 4, Appli
45	1124	89.2	212	4	US-09-549-679-4	Sequence 4, Appli

FILING DATE: 01-JUL-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 899, 660
 FILING DATE: 15-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892, 459
 FILING DATE: 02-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 889, 717
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2804-E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 US-08-225-939-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114; Mismatches 7; Indels 0; Gaps 0;
 Matches 219; Conservative 6;

Qy	1 EPKSCDKHTCPCCPAPELGGPSVFLPPKPKDTLMISRTPETCVVWVDSHDPPEKF
Db	1 EPSCDKHTCPCCPAPELGGPSVFLPPKPKDTLMISRTPETCVVWVDSHDPPEKF
Qy	61 NWYVDGVEHNVKTKPRERQYNSTYRVSVLTVHQNMNGKEYKCKCSNKALPAPIKT
Db	61 NWYVDGVEHNAKTKPRERQYNSTYRVSVLTVHQNMNGKEYKCKCSNKALPAPIKT
Qy	121 ISKAKVQREPQVTLPSPRDELTKNQSLTCLVKGFYPSDIAVEWESNGOPENNYKTP
Db	121 ISKAKGQREPQVTLPSPRDELTKNQSLTCLVKGFYPRHIAVEWESNGOPENNYKTP
Qy	181 PVLDVGSGFLYSLKLTVDKSRSWQGNVFSCSVMHEALNHYQORSLSPGK
Db	181 PVLDSDGSFLYSLKLTVDKSRSWQGNVFSCSVMHEALNHYQORSLSPGK

RESULT 5

US-08-570-923-4

Sequence 4, Application US/08570923

Patient No. 5677430

GENERAL INFORMATION:

APPLICANT: Goodwin, Raymond G.

APPLICANT: Smith, Craig A.

APPLICANT: Armitage, Richard J.

APPLICANT: Gruss, Hans-Jurgen

APPLICANT: Gruss, Hans-Jurgen

NUMBER OF SEQUENCES: 23

TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kathryn A. Seese, Immunex Corporation

STREET: 51 University Street

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

OPERATING SYSTEM: Apple 7.1

SOFTWARE: Microsoft Word, Version 5.1a

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/570,923

FILING DATE: 12-DEC-1995

RESULT 6

US-08-580-014-4

Sequence 4, Application US/08580014

Patient No. 575303

GENERAL INFORMATION:

APPLICANT: Goodwin, Raymond G.

APPLICANT: Smith, Craig A.

APPLICANT: Armitage, Richard J.

APPLICANT: Gruss, Hans-Jurgen

TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kathryn A. Seese, Immunex Corporation

STREET: 51 University Street

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a
 CURRENT APPLICATION DATA:
 FILING DATE: 12 APRIL 1994
 APPLICATION NUMBER: US/08/580,014
 FILING DATE: 20-DEC-1995
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/225,989
 FILING DATE: 01-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 899,660
 FILING DATE: 15-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 892,459
 FILING DATE: 02-JUN-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 889,717
 FILING DATE: 26-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2614-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-580-014-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHTCPPCPAPELIGGSPVLFPPPKPDKTLMISRTPTVTCVVVDVSHEDPEVKF 60
 Db 1 EPRSDCKTHTCPPCPAPELIGGSPVLFPPPKPDKTLMISRTPTVTCVVVDVSHEDPEVKF 60
 Qy 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNGKEYKCKVSKNKLAPLEKT 120
 Db 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNLGKDVKCKVSKNKLAPWQKT 120
 Qy 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNLGKDVKCKVSKNKLAPWQKT 120
 Db 121 ISKAKVOPRPPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Qy 121 ISKAKVOPRPPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Db 121 ISKAKGQPREPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Qy 181 PVLDVGSGFLYSLKLTUDKSRMQRQGNFTCSVNHEALHNHYQNSLSPKG 232
 Db 181 PVLDSDGSFFLYSLKLTUDKSRMQRQGNFTCSVNHEALHNHYQNSLSPKG 232
 RESULT 7
 US-08-308-881-4
 Sequence 4, Application US/0830881
 ; Sequence 4, Application US/0830881
 ; Patent No. 5733672
 GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M

RESULT 8
 US-09-058-263-4
 Sequence 4, Application US/09058263
 ; Sequence 4, Application US/09058263
 ; Patent No. 589197
 GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple 7.1
 SOFTWARE: Microsoft Word, Version 5.1a
 CURRENT APPLICATION DATA:
 FILING DATE: 26-MAY-1994
 APPLICATION NUMBER: US/08/308,881
 FILING DATE: 12-SEP-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/249,553
 FILING DATE: 26-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2614-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-308-881-4

Query Match 95.3%; Score 1201; DB 1; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHTCPPCPAPELIGGSPVLFPPPKPDKTLMISRTPTVTCVVVDVSHEDPEVKF 60
 Db 1 EPRSDCKTHTCPPCPAPELIGGSPVLFPPPKPDKTLMISRTPTVTCVVVDVSHEDPEVKF 60
 Qy 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNGKEYKCKVSKNKLAPLEKT 120
 Db 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNLGKDVKCKVSKNKLAPWQKT 120
 Qy 61 NWYVGVEVINKVKPREEQNSTYRVVSVLTVLHQWNLGKDVKCKVSKNKLAPWQKT 120
 Db 121 ISKAKVOPRPPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Qy 121 ISKAKVOPRPPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Db 121 ISKAKGQPREPQVTLPPSRDELTKNOQLSTCLVKGYFPRHTAVENESNGQPENNYKTP 180
 Qy 181 PVLDVGSGFLYSLKLTUDKSRMQRQGNFTCSVNHEALHNHYQNSLSPKG 232
 Db 181 PVLDSDGSFFLYSLKLTUDKSRMQRQGNFTCSVNHEALHNHYQNSLSPKG 232
 RESULT 8
 US-09-058-263-4
 Sequence 4, Application US/09058263
 ; Sequence 4, Application US/09058263
 ; Patent No. 589197
 GENERAL INFORMATION:
 APPLICANT: Mosley, Bruce
 APPLICANT: Cosman, David J.
 TITLE OF INVENTION: Receptor for Oncostatin M
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/058, 264
 FILING DATE: 27-OCT-1992
 APPLICATION NUMBER: US 08/249, 553
 FILING DATE: 26-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Seese, Kathryn A.
 REGISTRATION NUMBER: 32,172
 REFERENCE/DOCKET NUMBER: 2614-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEX: 756822
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-09-455-962-4

Query Match 95.3%; Score 1201; DB 4; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9,9e-114;
 Matches 219; Conservative 7; MisMatches 6; Indels 0; Gaps 0;

OY 1 EPKSCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRPEVTCVVVDVASHEDPEVKF 60
 Db 1 EPASCDKHTCPPCPAPELGGPSVFLPPKPKDTLMISRPEVTCVVVDVASHEDPEVKF 60

QY

61 NWYVDGVENVHNVKTPREQYNTSYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120

Db

61 NWYVDGVENVHNVKTPREQYNTSYRVSVLTVLHQNMNGKEYKCKVSKNKLAPPIKT 120

Qy

121 ISRAKVQPREQYTLPSRDELTKQNSLTCLVKGPYPSDIAVEMENGOPENNYKTP 180

Db

121 ISRAKVQPREQYTLPSRDELTKQNSLTCLVKGPYPSDIAVEMENGOPENNYKTP 180

Qy

181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYQQLSISPGK 232

Db

181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYQQLSISPGK 232

Qy

181 PVLDVGSPFLYSLKLTVDKSRWQGNVFCSCVMEALHNHYQ

APPLICATION NUMBER: US 08/308, 881
 FILING DATE: 09-SEP-1994
 APPLICATION NUMBER: US 08/249, 553
 FILING DATE: 26-MAY-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Anderson, Kathryn A.
 REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2614-WO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 TELEX: 756822

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TOPOLogy: linear
 MOLECULE TYPE: protein

PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTLMISRTPETVCVVWDVSHDPEVKF
 Db 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTLMISRTPETVCVVWDVSHDPEVKF 60

QY 61 NWYVDGTEVHNNTKTPREEQNSTYRVSVLTVLHQDWNGKEYCKVSKNKKALPAPKT 120
 Db 61 NWYVDGTEVHNNTKTPREEQNSTYRVSVLTVLHQDWNGKEYCKVSKNKKALPAPKT 120

QY 121 ISKAKVQPREQVYTLLPSRDELTKQVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKVQPREQVYTLLPSRDELTKQVSITCLVKGFYPRHIAVEWESNGOPENNYKTP 180

QY 181 PVLDSGSFFYSLKLTVDKSRWQNVFCSVMHEALHYQRLSLSPGK 232
 Db 181 PVLDSGSFFYSLKLTVDKSRWQNVFCSVMHEALHYQRLSLSPGK 232

RESULT 15

PCT-US95-15781-8

Sequence 8, Application PC/TUSS515781

GENERAL INFORMATION:

APPLICANT: Carretti, Douglas P.

TITLE OF INVENTION: Cytokine Designated lerk-7

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

OPERATING SYSTEM: System 7.1

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/15781
 FILING DATE: 05-DEC-1995
 CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/351, 025
 FILING DATE: 06-DEC-1994
 CLASSIFICATION:

APPLICATION NUMBER: US 08/396, 946
 FILING DATE: 01-MAR-1995
 CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Anderson, Kathryn A.

REGISTRATION NUMBER: 32, 172
 REFERENCE/DOCKET NUMBER: 2829-WO
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0544

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:
 LENGTH: 232 amino acids
 TYPE: amino acid
 TOPOLogy: linear
 MOLECULE TYPE: protein

PCT-US95-15781-8

Query Match 95.3%; Score 1201; DB 5; Length 232;
 Best Local Similarity 94.4%; Pred. No. 9.9e-114;
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTLMISRTPETVCVVWDVSHDPEVKF
 Db 1 EPKSCDKHTCPCPABELLGGPSVLFPPRKDTLMISRTPETVCVVWDVSHDPEVKF 60

QY 61 NWYVDGTEVHNNTKTPREEQNSTYRVSVLTVLHQDWNGKEYCKVSKNKKALPAPKT 120
 Db 61 NWYVDGTEVHNNTKTPREEQNSTYRVSVLTVLHQDWNGKEYCKVSKNKKALPAPKT 120

QY 121 ISKAKVQPREQVYTLLPSRDELTKQVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 121 ISKAKVQPREQVYTLLPSRDELTKQVSITCLVKGFYPRHIAVEWESNGOPENNYKTP 180

QY 181 PVLDSGSFFYSLKLTVDKSRWQNVFCSVMHEALHYQRLSLSPGK 232
 Db 181 PVLDSGSFFYSLKLTVDKSRWQNVFCSVMHEALHYQRLSLSPGK 232

Search completed: March 14, 2005, 10:49:21
 Job time : 44 secs

QY 181 RDWIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAFATPEWGSRDKRTLACIQ 240
Db 181 RDWIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAFATPEWGSRDKRTLACIQ 240
; CURRENT APPLICATION NUMBER: US/10/704,406
; CURRENT FILING DATE: 2003-11-07
; PRIOR APPLICATION NUMBER: 09/809,746
; PRIOR FILING DATE: 2003-06-12
; PRIORITY NUMBER: 60/234,877
; PRIORITY FILING DATE: 2000-09-22
; PRIORITY APPLICATION NUMBER: 60/189,403
; PRIORITY FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

RESULT 2
; Sequence 5, Application US/10000439
; Publication No. US20030064063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067-004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

Query Match 100.0%; Score 1707; DB 14; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.9e-127; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FTPPTVKIQLSSCDGGHRRPTIOLCIVSGYPTGTTINITWLEDQVMVDISTASOE 60
Db 1 FTPPTVKIQLSSCDGGHRRPTIOLCIVSGYPTGTTINITWLEDQVMVDISTASOE 60
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

Query Match 100.0%; Score 1707; DB 14; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.9e-127; Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CADSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 160
Db 1 CADSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 160
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

Query Match 68.8%; Score 1171; DB 16; Length 220;
Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 CADSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 160
Db 101 CADSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 160
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

Query Match 68.8%; Score 1171; DB 16; Length 220;
Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 161 KERKQRGTLTVSTLPGVIRDWIGETVQCRVTHPHLPRALMSTTKSGPRAPEVY 220
Db 161 KERKQRGTLTVSTLPGVIRDWIGETVQCRVTHPHLPRALMSTTKSGPRAPEVY 220
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-6

Query Match 68.8%; Score 1171; DB 16; Length 220;
Best Local Similarity 100.0%; Pred. No. 4.5e-85; Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 PATPEWGSRDKRTLACIQNFMPEDISQWLNHEVOLDARHSTTQPRKTKGSGFFVS 280
Db 221 PATPEWGSRDKRTLACIQNFMPEDISQWLNHEVOLDARHSTTQPRKTKGSGFFVS 280
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;
Best Local Similarity 100.0%; Pred. No. 5e-84; Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 103 DSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 162
Db 103 DSNPRGVASATLSPSPFDIFIRKSPTTICLVUDLAPSKGTVNLTWSRASGPVNHSR 162
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIORITY NUMBER: 60/234,877
; PRIORITY FILING DATE: 2000-09-22
; PRIORITY APPLICATION NUMBER: 60/189,403
; PRIORITY FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;
Best Local Similarity 100.0%; Pred. No. 5e-84; Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 EKQRNGTLTVSTLPGVTRMIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAA 222
Db 163 EKQRNGTLTVSTLPGVTRMIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAA 222
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIORITY NUMBER: 60/234,877
; PRIORITY FILING DATE: 2000-09-22
; PRIORITY APPLICATION NUMBER: 60/189,403
; PRIORITY FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;
Best Local Similarity 100.0%; Pred. No. 5e-84; Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 65 EKQRNGTLTVSTLPGVTRMIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAA 224
Db 65 EKQRNGTLTVSTLPGVTRMIEGETVQCRVTHPHLPRALMSTTKSGPRAPEVYAA 224
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 60/189,403
; PRIORITY NUMBER: 60/234,877
; PRIORITY FILING DATE: 2000-09-22
; PRIORITY APPLICATION NUMBER: 60/189,403
; PRIORITY FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 222
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-809-746-2

QY 223 TPEWPGSDRKRTLACIQLQNMFPEDISQVMLNEVOLPDARHSTTQPRKTKGSQPFVTSRL 282
 US-09-809-715-6 ; Sequence 6, Application US/09809715
 Db 125 TPEWPGSDRKRTLACIQLQNMFPEDISQVMLNEVOLPDARHSTTQPRKTKGSQPFVTSRL 184
 QY 283 EVTRAEMWQKDEFICRAWEAASPSQTQRAVSNPGK 320
 Db 185 EVTRAEMWQKDEFICRAWEAASPSQTQRAVSNPGK 222

RESULT 5
 US-09-809-715-6 ; Sequence 6, Application US/09809715
 ; Publication No. US20030003502A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardetzky, Theodore S.
 ; APPLICANT: Garman, Scott Clayton
 ; APPLICANT: Kinet, Jean-Pierre
 ; TITLE OF INVENTION: THREE-DIMENSIONAL MODEL OF A COMPLEX BETWEEN A FC REGION AND AN IGE RECEPTOR ALPHA CHAIN AND A FC REGION OF AN IGE
 ; TITLE OF INVENTION: ANTIBODY AND USES THEREOF
 ; FILE REFERENCE: AL-8
 ; CURRENT FILING DATE: 2001-03-14
 ; PRIOR APPLICATION NUMBER: 601189, 853
 ; PRIOR FILING DATE: 2000-03-15
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 6
 ; LENGTH: 222
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-809-715-6

Query Match Best Local Similarity 100.0%; Score 1158; DB 16; Length 222;
 Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 103 DSNPRGVAYLSRSPSPFDLFIRKSPTTCLVNDLAPSIGTVNLTSRSAGKPVNHSTRKE 162
 Db 5 DSNPRGVAYLSRSPSPFDLFIRKSPTTCLVNDLAPSIGTVNLTSRSAGKPVNHSTRKE 64
 QY 163 EKONGTILTVTSLPVGDRWIEGETYQCRVTHPHPLPAMRSTTKSGSPRAPEVFA 222
 Db 65 EKONGTILTVTSLPVGDRWIEGETYQCRVTHPHPLPAMRSTTKSGSPRAPEVFA 124
 QY 223 TPEWPGSDRKRTLACIQLQNMFPEDISQVMLNEVOLPDARHSTTQPRKTKGSQPFVTSRL 282
 Db 125 TPEWPGSDRKRTLACIQLQNMFPEDISQVMLNEVOLPDARHSTTQPRKTKGSQPFVTSRL 184

RESULT 6
 US-10-152-190-9 ; Sequence 9, Application US/10152190
 ; Publication No. US20030096369A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morsey, Mohanad A.
 ; TITLE OF INVENTION: NO. US20030096369A1-anaphylactogenic IgE vaccines
 ; FILE REFERENCE: PC1101A
 ; CURRENT FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: US/10/152,190
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 9
 ; LENGTH: 236
 ; TYPE: PRT
 ; ORGANISM: Modified Human CH2-CH4 carrier protein
 ; US-10-152-190-9

Query Match Best Local Similarity 59.3%; Score 1011.5; DB 14; Length 236;
 Matches 198; Conservative 7; Mismatches 4; Indels 111; Gaps 1;

QY 1 FTPTPVKLQLOSSCDGGGHPPTIQLLCIVSGTTPGTNTIWLDGQNDVNDIATSTQE 60
 Db 28 FTTPSVKLQLOSSCDGGGHPPTIQLLCIVSGTTPGTNTIWLDGQNDVNDIATSTQE 87
 QY 61 GELASTQBLLTSOKHWSDRTYCQVYQGHFPEDSTKCADSNPRC/VSAYLSPRSPFD 120
 Db 88 GELASTQBLLTSOKHWSDRFTCQVYQGHFPEDSTK 128

QY 121 LFRKSPITITCLVNDLAPSIGTVNLTSRSAGKPVNHSTRKEKONGTILTVTSLPVG 180
 Db 129 ----- 128

QY 181 RDWIEGETYQCRVTHPHPLPAMRSTTKSGSPRAPEVFA TPEWPGSDRKRTLACIQLQ 240
 Db 129 ----- RAPPEVFA TPEWPGSDRKRTLACIQLQ 156

QY 241 NFMPEDISQVMLNEVOLPDARHSTTQPRKTKGSQFFVFSLEVTRABEWQKDEFICRAV 300
 Db 157 NFMPEDISQVMLNEVOLPDARHSTTQPRKTKGSQFFVFSLAVTRABEWQKDEFICRAI 216

QY 301 HEAASPQTVRAVSNPGK 320

Db 217 HEAASPSQTQRAVSVNPGK 236

RESULT 8

; Sequence 4, Application US/10152190-4
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IGE vaccines
; FILE REFERENCE: PCT/1101A

CURRENT APPLICATION NUMBER: US/10/152,190
CURRENT FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 4

LENGTH: 115

TYPE: PRT

ORGANISM: Human CH3

US-10-152-190-4

Query Match 35.3%; Score 602; DB 14; Length 115;
Best Local Similarity 99.1%; Pred. No. 3.4e-40; Mismatches 0; Indels 0; Gaps 0;

Matches 114; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 102 ADSNPRGVASVLSRSPFDLIRKSKPTTICVNDLAPSKGTVNLTVWSRASGKPVNHSTRK 161

Db 1 ADSNPRGVASVLSRSPFDLIRKSKPTTICVNDLAPSKGTVNLTVWSRASGKPVNHSTRK 60

QY 162 BEKQRNGLTUTSTLVGTRDWEGETYQCRVTPHPLRAMLMSITTKSGPRAAP 216

Db 61 BEKQRNGLTUTSTLVGTRDWEGETYQCRVTPHPLRAMLMSITTKSGPRAAP 115

RESULT 9

US-10-214-524-41

Sequence 41, Application US/10314524
Publication No. US20030073142A1

GENERAL INFORMATION:

APPLICANT: Chen, Swey-Shen Alex

APPLICANT: Yang, Yong-Min

APPLICANT: Barankiewicz, Theresa J.

APPLICANT: Chen, Zhiqiang

APPLICANT: Lang, Yong-Min

APPLICANT: Barankiewicz, Theresa J.

APPLICANT: Chen, Zhong

TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF

FILE REFERENCE: IGE-00101.P-1.1

CURRENT APPLICATION NUMBER: US/10/214,524

PRIOR FILING DATE: 2002-03-08

PRIOR APPLICATION NUMBER: 60/312,120

PRIOR FILING DATE: 2001-08-13

NUMBER OF SEQ ID NOS: 61

SOFTWARE: PatentIn version 3.1

SEQ ID NO 41

LENGTH: 109

TYPE: PRT

ORGANISM: Human (Homo sapiens)

US-10-214-524-41

Query Match 34.0%; Score 581; DB 14; Length 109;
Best Local Similarity 100.0%; Pred. No. 1.5e-38; Mismatches 0; Indels 0; Gaps 0;

Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 212 PRAAPEVAFATPEWPGSRDKETLACIIONFMPEDISVQMLNEVOLPDARHSTQPKT 271

Db 1 PRAAPEVAFATPEWPGSRDKETLACIIONFMPEDISVQMLNEVOLPDARHSTQPKT 60

QY 272 KGSGFVVFSRQEVTTRAWEQKDFICRAVHAAISQTQRAVSVNPGK 320

Db 61 KGSGFVVFSRQEVTTRAWEQKDFICRAVHAAISQTQRAVSVNPGK 109

RESULT 10

US-10-214-524-42

Query Match 33.2%; Score 566 5; DB 9; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.1e-37; Mismatches 0; Indels 1; Gaps 1;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 103 DENPRGVASVLSRSPFDLIRKSKPTTICVNDLAPSKGTVNLTVWSRASGKPVNHSTRK 162

Db 1 DSNPRGVASVLSRSPFDLIRKSKPTTICVNDLAPSKGTVNLTVWSRASGKPVNHSTRK 60

QY 163 EKQRNGLTUTSTLVGTRDWEGETYQCRVTPHPLRAMLMSITTKSGP 212

Db 61 EKQRNGLTUTSTLVGTRDWEGETYQCRVTPHPLRAMLMSITTKSGP 109

RESULT 12
US-09-802-096-1
; Sequence 1, Application US/09802096
; Paten No. US20010038839A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)
; FILE REFERENCE: P0718PZC3US
; CURRENT APPLICATION NUMBER: US/09/802,096
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1993-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 64
; SEQ ID NO 1
; LENGTH: 109
; ORGANISM: Homo sapiens
; US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.1e-37; Matches 109; Conservati 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVASAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRK 162
Db 1. DSNPRGVASAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRK 60

RESULT 13
US-09-925-179-1
; Sequence 1, Application US/09925179
; Publication No. US20030044858A1
; GENERAL INFORMATION:
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P0718PCD1C1US
; CURRENT APPLICATION NUMBER: US/09/925,179
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 08/466,163
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/405,617
; PRIOR FILING DATE: 1995-03-15
; PRIOR APPLICATION NUMBER: US 08/185,899
; PRIOR FILING DATE: 1994-01-26
; PRIOR APPLICATION NUMBER: PCT/US92/06860
; PRIOR FILING DATE: 1992-08-14
; PRIOR APPLICATION NUMBER: US 07/879,495
; PRIOR FILING DATE: 1992-05-07
; PRIOR APPLICATION NUMBER: US 07/744,768
; PRIOR FILING DATE: 1991-08-14
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 1
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-925-179-1

Query Match 33.2%; Score 566.5; DB 10; Length 109;
Best Local Similarity 99.1%; Pred. No. 2.1e-37; Matches 109; Conservati 0; Mismatches 0; Indels 1; Gaps 1;

Qy 153 EKORNGTIVTSTLPGTRDWIPEGTYCQCRVTHPHPRALMRSTTKSGP 212
Db 61 EKORNGTIVTSTLPGTRDWIPEGET-QCRVTHPHPRALMRSTTKSGP 109

RESULT 14
US-10-152-150-6
; Sequence 6, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines
; FILE REFERENCE: PCT/01/11A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Baculovirus expressed human CH3 domain
; US-10-152-150-6

Query Match 32.5%; Score 554; DB 14; Length 129;
Best Local Similarity 96.3%; Pred. No. 2.6e-36; Matches 105; Conservati 1; Mismatches 3; Indels 0; Gaps 0;

Qy 102 ADSNPRGVASAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRK 161
Db 21 ADSNPRAVASAYLSRSPSPFDLFIKSPTICLVLVDLAPSKGTVNLJWSRASGKPVNHSRK 80

RESULT 15
US-10-152-150-8
; Sequence 8, Application US/10152190
; Publication No. US20030096369A1
; GENERAL INFORMATION:
; APPLICANT: Morsey, Mohamad A.
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines
; FILE REFERENCE: PCT/01/11A
; CURRENT APPLICATION NUMBER: US/10/152,190
; CURRENT FILING DATE: 2002-05-21
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Modified Human CH4 Domain
; US-10-152-150-8

Query Match 32.3%; Score 551; DB 14; Length 108;
Best Local Similarity 93.5%; Pred. No. 3.6e-36; Matches 101; Conservati 5; Mismatches 2; Indels 0; Gaps 0;

Qy 213 RAAPPEVYFATPPWPGSDKRTACQIQLQNMFDISQWLNHEVOLDAHRSSTQPRK 272
Db 1 RAAPPEVYFATPPWPGSDKRTACQIQLQNMFDISQWLNHEVOLDAHRSSTQPRK 60

Qy 273 GSQFPVFSRLEVTRAEMQKDEFICRAVHEAASPQTVQRAVSVNPK 320
Db 61 GSQFPVFSRLEVTRAEMQKDEFICRAVHEAASPQTVQRAVSVNPK 108

Mon Mar 14 13:04:50 2005

us-09-847-208b-6.rapb

Page 6

Search completed: March 14, 2005, 11:12:33
Job time : 138 secs

Copyright (c) 1993 - 2005 Compugen Ltd.

Om protein - protein search, using sw model

Run on:

March 14, 2005, 10:48:59 ; Search time 43 Seconds

(without alignments)
555.528 Million cell updates/sec

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: I F P P T V K V L Q S C D G G H P H E A A S P S Q T V Q D A V S V N P G K 320

Scoring table: BLOSUM62

Gappen 10.0 , Gapext 0.5

Searched: 513545 seqs, 7649064 residues

Total number of hits satisfying chosen parameters:

437289

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA: *

- 1: /cgn2_6/pctodata/1/iaa/5A__COMB.pep: *
- 2: /cgn2_6/pctodata/1/iaa/5B__COMB.pep: *
- 3: /cgn2_6/pctodata/1/iaa/6A__COMB.pep: *
- 4: /cgn2_6/pctodata/1/iaa/6B__COMB.pep: *
- 5: /cgn2_6/pctodata/1/iaa/PCTUS__COMB.pep: *
- 6: /cgn2_6/pctodata/1/iaa/backfile81.pep: *

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	895.5	52.5	312 4	US-09-701-623C-2
2	783	51.5	313 4	US-09-701-623C-3
3	691.5	40.5	313 4	US-09-701-623C-4
4	597	35.0	113 2	US-08-332-529D-56
5	587	34.4	110 1	US-08-332-529D-56
6	587	34.4	110 1	US-08-433-102A-6
7	587	34.4	110 2	US-08-434-862A-6
8	581	34.0	109 1	US-08-037-579A-2
9	581	34.0	109 3	US-08-601-184-2
10	586.5	33.2	109 3	US-08-436-163B-1
11	566.5	33.2	109 4	US-09-802-086-1
12	566.5	33.2	109 4	US-09-802-077-1
13	556	32.6	106 2	US-08-332-529D-54
14	526	30.8	119 2	US-08-466-025A-1
15	508.5	29.8	118 3	US-08-466-151-1
16	416.5	24.4	320 2	US-08-579-940-B
17	414	24.3	76 4	US-09-701-623C-40
18	394	23.1	76 4	US-09-701-623C-31
19	357.5	20.9	107 4	US-09-281-760B-36
20	356	20.9	228 4	US-09-988-362A-27
21	356	20.9	235 3	US-09-131-247-6
22	356	20.9	235 4	US-09-474-623-6
23	356	20.9	247 4	US-09-428-082B-12
24	356	20.9	269 4	US-09-428-082B-10
25	355	20.8	253 4	US-09-228-082B-18
26	355	20.8	277 4	US-09-428-082B-20
27	354	20.7	281 4	US-09-424-862-10

ALLEGMENT

Copyright (c) 1993 - 2005 CompuGen Ltd.
GenCore version 5.1.6
OM protein - protein search, using BW model
Run on: March 14, 2005, 10:48:59 ; Search time 43 Seconds
(without alignments)
555.528 Million cell updates/sec
Title: US-09-847-208B-6
Perfect score: 1707
Sequence: 1 FPPPTVKIQLQSCDGGGHFP.....HEAASPSQTVQRAVSVPNGK 320
Scoring table: BLOSUM62
Gapop 10.0 , **Gapext** 0.5

QY 239 IONFMPEDISVQWLNEVOLPDARHSTTOPRKTKGS--GFVFSRLEVTREWEQKDEFI 296
Db 241 IONFPADISVQWLNDSPITQDQYTRTGPKVSGSRPAFIFSRLEVSRVDWEQKDFI 300
QY 297 CRAVHEASPS 308
Db 301 COVWHEALSGSR 312

RESULT 2
US-09-701-623C-3
; Sequence 3, Application US/09701623C
; Patent No. 6811782
; GENERAL INFORMATION:
; APPLICANT: Wang Ph.D., Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
; FILE REFERENCE: 11514153US1
; CURRENT APPLICATION NUMBER: US/09/701,623C
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US99/13959
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: 09/100,287
; PRIOR FILING DATE: 1998-06-20
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 3
; LENGTH: 313
; TYPE: PRT
; ORGANISM: RAT
; FEATURE:
; OTHER INFORMATION: CH2CH3 of rat IgE
; PUBLICATION INFORMATION:
; AUTHORS: Dorrington,
; AUTHORS: Bennich,
; JOURNAL: Immunology
; VOLUME: 41
; PAGES: 3-25
; DATE: 1978
; PUBLICATION INFORMATION:
; AUTHORS: Patel,
; JOURNAL: Immunogenetics
; VOLUME: 41
; PAGES: 282-286
; DATE: 1995
; PUBLICATION INFORMATION:
; AUTHORS: Steen,
; JOURNAL: J. Mol. Biol.
; VOLUME: 177
; PAGES: 19-32
; DATE: 1984
; PUBLICATION INFORMATION:
; AUTHORS: Ishida,
; JOURNAL: EMBO J.
; VOLUME: 1
; PAGES: 1117-1123
; DATE: 1982
; US-09-701-623C-3

Query Match 40.5%; Score 691.5; DB 4; Length 313;
Best Local Similarity 46.4%; Pred. No. 2.5e-58; Indels 5; Gaps 5;
Matches 136; Conservative 51; Mismatches 101; Indels 5; Gaps 5;

QY 13 CDGCHFPPETIQULCVSYTPGINIML-EDQVMVDSLASTTQEGELASTQBLLT 71
Db 19 CDPNA-FHSTIQLCIFVHILINDVSUWLMDDREITTLACTVLINEBKGASTSKLN 77

QY 72 LSQKHWLSDRTYTCQVTOQHTEDBDSTKKCADSNPRGVASYLSRSPFDLFTRKSPPTIC 131
Db 78 ITEQOMWSHSTFCRVTSGCDYLAHTTRCPHPEPREGATIVLIPSPDLKONGAPLTIC 137

QY 132 LWVLAPSLGTVNLTWSRASLGKVNHSRKEERQKNGTITVTLPLGTRDIEGETYOC 191
Db 138 LWVDESEK-NVAVUTWQEKTSVSAQWYTKHNNTATTSILSPVAKWIGGYQIC 196

QY 192 RVTHPHPLPRAMLRSTTKTSGRPAPEVYAFATPEWCGSRKDRLACIIONNPEDISVW 251
Db 197 IVPDRPFKPIVRSITKPGSAPAEVYTFVPPPE-BESEDRITLCLQINPFPEDISVQ 255

Query Match 45.9%; Score 783; DB 4; length 313;
Best Local Similarity 49.2%; Pred. No. 3.9e-67; Mismatches 100; Indels 6; Gaps 5;
Matches 150; Conservative 49; Mismatches 100; Indels 6; Gaps 5;

QY 2 TPPTVKLIQSSDGGHHRPTTQLCUCVSGYTPGTINIML-EDQVMVDSLASTTQE 60
Db 7 TRPTVDPDHSQDPNA-FHSTIQLCIFVHILINDVSUWLMDDREITTLACTVLINEBKGASTSKLN 65

QY 61 GBLASTOSELTISOKWHLSDLRTYTCQVTOQHTEDBDSTKKCADSNPRGVASYLSRSPFD 120
Db 66 GKLAISYSLNITQQMWSSEFTCKVTSQENYWAHTRRCSDDEPRGVITYLIPSPUD 125

RESULT 3
US-09-701-623C-4
; Sequence 4, Application US/09701623C
; Patent No. 6811782
; GENERAL INFORMATION:
; APPLICANT: Wang Ph.D., Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF
; FILE REFERENCE: 11514153US1
; CURRENT APPLICATION NUMBER: US/09/701,623C
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US99/13959
; PRIOR FILING DATE: 1999-06-21
; PRIOR APPLICATION NUMBER: 09/100,287
; PRIOR FILING DATE: 1998-06-20
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 4
; LENGTH: 313
; TYPE: PRT
; ORGANISM: MOUSE
; FEATURE:
; OTHER INFORMATION: CH2CH3 of mouse IgE
; US-09-701-623C-4

Query Match 40.5%; Score 691.5; DB 4; Length 313;
Best Local Similarity 46.4%; Pred. No. 2.5e-58; Indels 5; Gaps 5;
Matches 136; Conservative 51; Mismatches 101; Indels 5; Gaps 5;

QY 13 CDGCHFPPETIQULCVSYTPGINIML-EDQVMVDSLASTTQEGELASTQBLLT 71
Db 19 CDPNA-FHSTIQLCIFVHILINDVSUWLMDDREITTLACTVLINEBKGASTSKLN 77

QY 72 LSQKHWLSDRTYTCQVTOQHTEDBDSTKKCADSNPRGVASYLSRSPFDLFTRKSPPTIC 131
Db 78 ITEQOMWSHSTFCRVTSGCDYLAHTTRCPHPEPREGATIVLIPSPDLKONGAPLTIC 137

QY 132 LWVLAPSLGTVNLTWSRASLGKVNHSRKEERQKNGTITVTLPLGTRDIEGETYOC 191
Db 138 LWVDESEK-NVAVUTWQEKTSVSAQWYTKHNNTATTSILSPVAKWIGGYQIC 196

QY 192 RVTHPHPLPRAMLRSTTKTSGRPAPEVYAFATPEWCGSRKDRLACIIONNPEDISVW 251
Db 197 IVPDRPFKPIVRSITKPGSAPAEVYTFVPPPE-BESEDRITLCLQINPFPEDISVQ 255

Query Match 45.9%; Score 783; DB 4; length 313;
Best Local Similarity 49.2%; Pred. No. 3.9e-67; Mismatches 100; Indels 6; Gaps 5;

QY 2 TPPTVKLIQSSDGGHHRPTTQLCUCVSGYTPGTINIML-EDQVMVDSLASTTQE 60
Db 7 TRPTVDPDHSQDPNA-FHSTIQLCIFVHILINDVSUWLMDDREITTLACTVLINEBKGASTSKLN 65

QY 61 GBLASTOSELTISOKWHLSDLRTYTCQVTOQHTEDBDSTKKCADSNPRGVASYLSRSPFD 120
Db 66 GKLAISYSLNITQQMWSSEFTCKVTSQENYWAHTRRCSDDEPRGVITYLIPSPUD 125

RESULT 4
US-08-232-539D-56
; Sequence 56, Application US/08232539D
; Patent No. 595709
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: IgE Antagonists
 NUMBER OF SEQUENCES: 60
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Genentech, Inc.
 STREET: 1 DNA Way
 STATE: South San Francisco
 CITY: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/399,106A
 FILING DATE: 01-Mar-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: P0927
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/225-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 110 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-399-106A-6

Query Match 35.0%; Score 597; DB 2; Length 113;
 Best Local Similarity 100.0%; Pred. No. 7.2e-50; Mismatches 0; Indels 0; Gaps 0;
 Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 101 CADSNPREVYASLSPSPDFLERKSPTTCVLDASPGKTNLTNSRASGPKVNSTR 160
 1 CADSNPRGVASLYSLSPSPDFLIRKSPTTCVLDASPGKTNLTNSRASGPKVNSTR 60

Db 271 TKSGGFFPSRLAVTRAWBQKDFICAVHEAASPOTVQRAVSNGK 320
 61 TKSGGFFPSRLAVTRAWBQKDFICAVHEAASPOTVQRAVSNGK 110

Qy 161 KEEKQNRNLTIVSTLPVGTRDNIEGETYQCRVTHPHIPRALRSRKKTSQGP 212
 61 KEEKQNRNLTIVSTLPVGTRDNIEGETYQCRVTHPHIPRALRSRKKTSQGP 112

RESULT 6
 US-08-433-105A-6
 Sequence 6; Application US/08433105A
 Patent No. 5807706

GENERAL INFORMATION:
 APPLICANT: Carter, Paul J.
 APPLICANT: Presa, Leonard G.
 APPLICANT: Ridgway, John B.
 TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/433,105A
 FILING DATE: 03-May-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/399106
 FILING DATE: 01-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: P0927D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/225-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 110 amino acids

US-08-232-539D-56

RESULT 5
 US-08-399-106A-6
 Sequence 6; Application US/08399106A
 Patent No. 5731168

GENERAL INFORMATION:
 APPLICANT: Carter, Paul J.
 APPLICANT: Presa, Leonard G.
 APPLICANT: Ridgway, John B.
 TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/433,105A
 FILING DATE: 03-May-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/399106
 FILING DATE: 01-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00,000
 REFERENCE/DOCKET NUMBER: P0927D2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1994
 TELEFAX: 415/225-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 110 amino acids

US-08-433-105A-6
TOPLOGY: Amino Acid
TOPOLOGY: Linear

Query Match 33.2%; Score 566.5; DB 4; Length 109;
 Best Local Similarity 99.1%; Pred. No. 5.9e-47;
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

RESULT 13
 US-08-232-539D-54
 Sequence 54, Application US/08232539D
 ; Patent No. 5994514
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu et al.
 ; TITLE OF INVENTION: IMMUNOGLOBULIN VARIANTS
 ; NUMBER OF SEQUENCES: 27
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/464, 025A
 FILING DATE: 05-Jun-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Svoboda, Craig G.
 REGISTRATION NUMBER: 39, 044
 REFERENCE/DOCKET NUMBER: P0718C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1439
 FAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 119 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-464-025A-1

Query Match 30.8%; Score 526; DB 2; Length 119;
 Best Local Similarity 90.7%; Pred. No. 5.4e-43;
 Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;

RESULT 14
 US-08-466-151-1
 Sequence 1, Application US/08466151
 ; Patent No. 6037453
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466, 151
 FILING DATE: 05-Jun-1995

Query Match 32.6%; Score 556; DB 2; Length 106;
 Best Local Similarity 100.0%; Pred. No. 5.8e-46;
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 15
 US-08-466-151-1
 Sequence 1, Application US/08466151
 ; Patent No. 6037453
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466, 151
 FILING DATE: 05-Jun-1995

Query Match 108 GVSAYLRSRSPFPLIRKSPTTCLVVLAPSKGTNLTWSRASKGKVNTTRKEKORN 167
 ; Patent No. 5994514
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466, 151
 FILING DATE: 05-Jun-1995

Query Match 168 GIVITVTSPLPVSTRDWIEGETYQCRVTHPHRLALMRSTTKSGP 212
 ; Patent No. 5994514
 ; GENERAL INFORMATION:
 ; APPLICANT: Jardieu, Paula M.
 ; TITLE OF INVENTION: Immunoglobulin Variants
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466, 151
 FILING DATE: 05-Jun-1995

RESULT 14
 US-08-464-025A-1

CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/185899
FILING DATE: 26-JAN-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718P2C1D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
SEQUENCE CHARACTERISTICS:
LENGTH: 118 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-466-151-1

Query Match
Best Local Similarity 29.8%; Score 508.5; DB 3; Length 118;
Matches 106; Conservative 1; Mismatches 2; Indels 9; Gaps 5;

Qy 103 DSNPRGVASLSPSPSPFD-LFRKSPTTCTLVVLDSLRSKGTVNLTWSRAS--GKPNHS 158
Db 2 DSNPRGVASLSPSPSPFD-LFRKSPTTCTLVVLDSLRSKGTVNLTWSRASXKXGKPNHS 61

Qy 159 TRKEEKQR--NGTLTVSTLPGTRDMEGETYQCRVTHPHILPRL-MRSTTKTSGP 212
Db 62 TRKEEKQRXNXXNLTVSTLPGTRDMEGET-QCRVTHPHILPRLXMRSTTKTSGP 118

Search completed: March 14, 2005, 11:01:18
Job time : 44 secS

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 14, 2005, 11:10:15 ; Search time 140 Seconds
(without alignments)
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: US-09-847-208B-7

Perfect score: 3060

Sequence: 1 EPKSCDKHTCPCPAPPELL.....HEAASPSTQTVQRAVSVNPGK 569

Minimum DB seq length: 0

Total number of hits satisfying chosen parameters: 1340.584 Million cell updates/sec

Maximum DB seq length: 569

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/2/pubbaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubbaa/PCT NEW PUB.pep:*

3: /cgn2_6/ptodata/2/pubbaa/US06_PUBCOMB.pep:*

4: /cgn2_6/ptodata/2/pubbaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubbaa/US07_NEW_PUB.pep:*

6: /cgn2_6/ptodata/2/pubbaa/PCTUS07_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubbaa/US08_PUBCOMB.pep:*

8: /cgn2_6/ptodata/2/pubbaa/US09_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubbaa/US10_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubbaa/US09C_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubbaa/US09 NEW_PUB.pep:*

12: /cgn2_6/ptodata/2/pubbaa/US10 NEW_PUB.pep:*

13: /cgn2_6/ptodata/2/pubbaa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubbaa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubbaa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubbaa/US10D_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubbaa/US10 NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubbaa/US11 NEW_PUB.pep:*

19: /cgn2_6/ptodata/2/pubbaa/US60_NEW_PUB.pep:*

20: /cgn2_6/ptodata/2/pubbaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3060	100.0	569	Sequence 7, Appli
2	3060	100.0	569	Sequence 7, Appli
3	1766	50.7	427	Sequence 5, Appli
4	1766	57.7	427	Sequence 5, Appli
5	1766	57.7	428	Sequence 1, Appli
6	1766	57.7	428	Sequence 1, Appli
7	1766	57.7	428	Sequence 1, Appli
8	1766	57.7	428	Sequence 1, Appli
9	1755	57.4	441	Sequence 7, Appli
10	1755	57.4	441	Sequence 7, Appli
11	1755	57.3	497	Sequence 35, Appli
12	1707	55.8	320	Sequence 6, Appli
13	1707	55.8	320	Sequence 6, Appli

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
US-09-847-208-7
Sequence 7, Application US/09847208
Publication No. US20030082190A1

GENERAL INFORMATION:
APPLICANT: Saxon, Andrew
APPLICANT: Zhang, Ke

TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES
FILE REFERENCE: UCB-002A
CURRENT APPLICATION NUMBER: US/09-847,208
CURRENT FILING DATE: 2001-05-01
NUMBER OF SEQ ID NOS: 177
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 7
LENGTH: 569
TYPE: PRT

FEATURE: OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4
ORGANISM: Unknown
OTHER INFORMATION: (IGE)

US-09-847-208-7
Query Match Similarity 100.0%; Score 3060; DB 10; Length 569;
Best Local Similarity 100.0%; Pred. No. 4.1e-193;
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPKSCDKHTCPCPAPBELLGGPSVFLPPKDTLMISRTEVTVCWVDLSDHEDPEVKP 60
1 EPKSCDKHTCPCPAPBELLGGPSVFLPPKDTLMISRTEVTVCWVDLSDHEDPEVKP 60
Dy 61 NWYTDGVVHNVKTKPRBEQVNSTYRVSVLTVLHQMMNGKEYKCKVSKNKLPAPEKT 120
61 NWYTDGVVHNVKTKPRBEQVNSTYRVSVLTVLHQMMNGKEYKCKVSKNKLPAPEKT 120

Qy 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180
Db 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180
Qy 181 PVLDSVGFFFLYSKLTVDKSRWQGQNVFSCSVHMEALHNHYQRSLSLSPGKVEGGGG 240
Db 181 PVLDSVGFFFLYSKLTVDKSRWQGQNVFSCSVHMEALHNHYQRSLSLSPGKVEGGGG 240
Qy 241 CGGSGGGSFTPPPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMD 300
Db 241 CGGSGGGSFTPPPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMD 300
Qy 301 LSTASTTQGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 360
Db 301 LSTASTTQGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 360
Qy 361 YLSRSPSPDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 420
Db 361 YLSRSPSPDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 420
Qy 421 VSTLPVGTRDWMIGETYQCRVTHPLPRLMRSTTKTSGPRAAPEVAFATPEWPSRD 480
Db 421 VSTLPVGTRDWMIGETYQCRVTHPLPRLMRSTTKTSGPRAAPEVAFATPEWPSRD 480
Qy 481 KRTLACLIQNMPEDISQWLNHEVOLPDARHSTQPRKTGSGFFVSRLEVTRABEQ 540
Db 481 KRTLACLIQNMPEDISQWLNHEVOLPDARHSTQPRKTGSGFFVSRLEVTRABEQ 540
Qy 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Db 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Qy 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Db 541 KDFICRAVHEAASPQTQVORAVSNPGK 569

RESULT 2
US-10-000-439-7
; Sequence 7, Application US/10000439
; Publication No. US2003010584063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; TREATMENT OF IMMUNE DISEASES
; FILE REFERENCE: UC067_004A
; CURRENT APPLICATION NUMBER: US/10/000,439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 569
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3
; sequence and a CH2-CH3 (IgE) sequence
; US-10-000-439-7

Query Match 100.0%; Score 3060; DB 14; Length 569;
Best Local Similarity 100.0%; Pred. No. 4.1e-193; Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPABLLGSPSVEFPPKPKDTLMISRTBEVTCVWDVDSHEDPEVKF 60
Db 1 EPKSCDKHTCPCPABLLGSPSVEFPPKPKDTLMISRTBEVTCVWDVDSHEDPEVKF 60
Qy 61 NYFDGVEVHNNTKTPRQEYQVNTYRIVSVLTVLHQNMNGKEYKCKVSNKALPAPIKT 120
Db 61 NYFDGVEVHNNTKTPRQEYQVNTYRIVSVLTVLHQNMNGKEYKCKVSNKALPAPIKT 120
Qy 61 NYFDGVEVHNNTKTPRQEYQVNTYRIVSVLTVLHQNMNGKEYKCKVSNKALPAPIKT 120
Db 61 NYFDGVEVHNNTKTPRQEYQVNTYRIVSVLTVLHQNMNGKEYKCKVSNKALPAPIKT 120
Qy 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180
Db 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180
Qy 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180
Db 121 ISKAKYQPREPQVYILPPSRDRLTKNSQVSLTCLVKGFYPSDIAYEWESNGOPENNYKTP 180

Qy 301 LSTASTTQGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 360
Db 301 LSTASTTQGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 360
Qy 361 YLSRSPSPDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 420
Db 361 YLSRSPSPDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 420
Qy 421 VSTLPVGTRDWMIGETYQCRVTHPLPRLMRSTTKTSGPRAAPEVAFATPEWPSRD 480
Db 421 VSTLPVGTRDWMIGETYQCRVTHPLPRLMRSTTKTSGPRAAPEVAFATPEWPSRD 480
Qy 481 KRTLACLIQNMPEDISQWLNHEVOLPDARHSTQPRKTGSGFFVSRLEVTRABEQ 540
Db 481 KRTLACLIQNMPEDISQWLNHEVOLPDARHSTQPRKTGSGFFVSRLEVTRABEQ 540
Qy 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Db 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Qy 541 KDFICRAVHEAASPQTQVORAVSNPGK 569
Db 541 KDFICRAVHEAASPQTQVORAVSNPGK 569

RESULT 3
US-09-847-208-5
; Sequence 5, Application US/09847-208
; Publication No. US20030082190A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UC67_002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO: 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;
Best Local Similarity 78.0%; Pred. No. 4.2e-108; Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;
Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPPYTTTSSRDLTKNSQVSLT--CLVKGFYPSDIAYEWESNGOPENNYKTP-PVUDS 185
Db 129 REPPYTTTSSRDLTKNSQVSLT--CLVKGFYPSDIAYEWESNGOPENNYKTP-PVUDS 185
Qy 3 QSPSVFPLRCRCKNIPSNATSFTVGLATGYFEPVMWTDT-GSLNCTTMILPATLT 61
Db 3 QSPSVFPLRCRCKNIPSNATSFTVGLATGYFEPVMWTDT-GSLNCTTMILPATLT 61
Qy 186 VGSFPLYSKLTVDKSRWQGQNVFSCSVHMEALHNHY-QRSLSLSPGKVEGGGGGG 244
Db 186 VGSFPLYSKLTVDKSRWQGQNVFSCSVHMEALHNHY-QRSLSLSPGKVEGGGGGG 244
Qy 62 SGHAYTISLTV--SGAWAK_QMFTCRVAHTPSSTDWVNDKTFSCV----- 104
Db 62 SGHAYTISLTV--SGAWAK_QMFTCRVAHTPSSTDWVNDKTFSCV----- 104
Qy 245 GGGSSPTPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMDVLISTA 304
Db 245 GGGSSPTPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMDVLISTA 304
Qy 105 --SRDFTPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMDVLISTA 162
Db 105 --SRDFTPTVKILOSSCDGGHFPPTIQQLCIVSGYTPGTINIWLEDQVMDVLISTA 162
Qy 305 SPTDGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 364
Db 305 SPTDGEELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 364
Qy 163 STTGTGELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 222
Db 163 STTGTGELASTSLELTISOKHMLSDRTYTCQVYQHTFEDSTKCADSNPRGVA 222
Qy 365 PSRPFDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 424
Db 365 PSRPFDFLRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 424
Qy 223 PSPFDLFLIRKSPTICLVLAPSKGTVNLTWSRASGKPVNHSRKKEKORGTLT 282

RESULT 4
US-10-000-439-5
; Sequence 5, Application US/10000439
; Publication No. US2003004063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.00A
; CURRENT APPLICATION NUMBER: US/10/000-439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-5

Query Match Best Local Similarity 78.0%; Score 1766; DB 14; Length 427; Matchers 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7; Qy 129 REPOVYITPPSRDELTKQVSILT--CLVKGPKYSIAVEWESNGOPENNYKTP-PVILDS 185 Db 3 QSFSVFPLTRCCRNIPNSATSVLGLCATGYFPBPVMVTWDT-GSLNQTTMWPATIIL 62 Qy 186 VGRFFFLYKLTVKSKRSGOQNNTFSCSYNHEALHNHY-QORSLSLSPGVVEGGGGGGGS 244 Db 63 SGHVATISLLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNKTFSVC----- 105 Qy 245 GGGSFPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 304 Db 106 --SRDFTPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 163 Qy 305 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 364 Db 154 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 223 Qy 365 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 424 Db 224 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 283 Qy 425 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 484 Db 284 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 343 Qy 485 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 544 Db 314 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 403 Qy 545 ICRAVHEAASPQTVORAVSVNPGK 569 Db 403 ICRAVHEAASPQTVORAVSVNPGK 427

RESULT 5
US-09-916-230-1
; Sequence 1, Application US/09916230
; Patent No. US2002016422A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin F.
; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IgE
; FILE REFERENCE: 1700.014001
; CURRENT APPLICATION NUMBER: US/09/916,230
; CURRENT FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/221,841
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-916-230-1

Query Match Best Local Similarity 78.0%; Score 1766; DB 9; Length 428; Matchers 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7; Qy 129 REPOVYITPPSRDELTKQVSILT--CLVKGPKYSIAVEWESNGOPENNYKTP-PVILDS 185 Db 4 QSFSVFPLTRCCRNIPNSATSVLGLCATGYFPBPVMVTWDT-GSLNQTTMWPATIIL 62 Qy 186 VGRFFFLYKLTVKSKRSGOQNNTFSCSYNHEALHNHY-QORSLSLSPGVVEGGGGGGGS 244 Db 63 SGHVATISLLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNKTFSVC----- 105 Qy 245 GGGSFPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 304 Db 106 --SRDFTPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 163 Qy 305 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 364 Db 154 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 223 Qy 365 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 424 Db 224 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 283 Qy 425 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 484 Db 284 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 343 Qy 485 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 544 Db 314 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 403 Qy 545 ICRAVHEAASPQTVORAVSVNPGK 569 Db 403 ICRAVHEAASPQTVORAVSVNPGK 427

RESULT 6
US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US2002012673A1
; GENERAL INFORMATION:
; APPLICANT: Klynsner, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE
; FILE REFERENCE: 3631-011P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT

RESULT 5
; Sequence 5, Application US/10000439
; Publication No. US2003004063A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR
; FILE REFERENCE: UC067.00A
; CURRENT APPLICATION NUMBER: US/10/000-439
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 09/847,208
; PRIOR FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-000-439-5

Query Match Best Local Similarity 78.0%; Score 1766; DB 14; Length 427; Matchers 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7; Qy 129 REPOVYITPPSRDELTKQVSILT--CLVKGPKYSIAVEWESNGOPENNYKTP-PVILDS 185 Db 3 QSFSVFPLTRCCRNIPNSATSVLGLCATGYFPBPVMVTWDT-GSLNQTTMWPATIIL 62 Qy 186 VGRFFFLYKLTVKSKRSGOQNNTFSCSYNHEALHNHY-QORSLSLSPGVVEGGGGGGGS 244 Db 63 SGHVATISLLTV-SGAWAK-QMFTCRVAAHTPSSTDWVNKTFSVC----- 105 Qy 245 GGGSFPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 304 Db 106 --SRDFTPTPPTVKIQLSSDGHHFPPTIQLCIVSGTTPGTINITWEDGQMDVLISTA 163 Qy 305 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 364 Db 154 STQEGELASTSBLTTSOKHWSDRYTICQVYQGHFPEDSTKKCADSNPRGVSAYLSR 223 Qy 365 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 424 Db 224 PSPDFLFRKSPTITCLVLDLAPSKGTVNLTWRSASGPVNISTRKKEKQRNGTLTVST 283 Qy 425 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 484 Db 284 LPVGTDRDIEGETYQCRVTHPHLPRALMRSTTKTSGRPEVAFATPEWGSRDKRTL 343 Qy 485 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 544 Db 314 ACTIONFMPEDISQWLNNEVOLPDARHSTTOPRKTGSGFVFSRLEVTRAWEQDEF 403 Qy 545 ICRAVHEAASPQTVORAVSVNPGK 569 Db 403 ICRAVHEAASPQTVORAVSVNPGK 427

RESULT 6
US-09-949-375A-1
; Sequence 1, Application US/09949375A
; Patent No. US2002012673A1
; GENERAL INFORMATION:
; APPLICANT: Klynsner, Steen et al.
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE
; FILE REFERENCE: 3631-011P
; CURRENT APPLICATION NUMBER: US/09/949,375A
; CURRENT FILING DATE: 2002-01-18
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 428
; TYPE: PRT

US-10-3631-95A-1
Sequence 1, Application US/10363195A1
Publication No. US20040156838A1

GENERAL INFORMATION:

APPLICANT: KLYSNER, Steen et al.
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 461-0115P

CURRENT APPLICATION NUMBER: US/10/363, 954A
CURRENT FILING DATE: 2003-03-06
PRIOR APPLICATION NUMBER: US 60/232, 831
PRIOR FILING DATE: 2000-05-15
PRIOR APPLICATION NUMBER: DK PA 2000 01326
PRIOR FILING DATE: 2000-09-06
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 428

ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..
OTHER INFORMATION: Human IgE heavy chain C1 domain

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C2 and C3

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (205)..
OTHER INFORMATION: Epitope including C2C3 linker

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (315)..
OTHER INFORMATION: Epitope including C3C4 linker

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (244)..
OTHER INFORMATION: Epitope in BC loop

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (272)..
OTHER INFORMATION: Epitope in DE loop

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (315)..
OTHER INFORMATION: Linker between domains C3 and C4

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: Human IgE heavy chain C3 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: Human IgE heavy chain C3 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: Human IgE heavy chain C4 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: IgE heavy chain C3 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: IgE heavy chain C4 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..
OTHER INFORMATION: IgE heavy chain C4 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C2 and C3

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C3 and C4

RESULT 9
US-09-949-375A-7
Sequence 7, Application US/09949375A
Patent No. US200172673A1
GENERAL INFORMATION:
APPLICANT: KLYSNER, Steen et al.
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 3631-0115P
CURRENT APPLICATION NUMBER: US/09/949, 375A
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 441
TYPE: PRT
ORGANISM: homo sapiens

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..
OTHER INFORMATION: IgE heavy chain C1 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (113)..
OTHER INFORMATION: IgE heavy chain C2 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (217)..
OTHER INFORMATION: IgE heavy chain C3 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (321)..
OTHER INFORMATION: IgE heavy chain C4 domain

FEATURE:
NAME/KEY: DOMAIN
LOCATION: (427)..
OTHER INFORMATION: MIGIS fragment

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (209)..
OTHER INFORMATION: Linker between domains C2 and C3

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (318)..
OTHER INFORMATION: Linker between domains C3 and C4

Qy 245 GGGGSFIPPTVKLIQSSCDGGGHPPTIQLCLVSGYGPCTINTWLEQQMVDLSTA 304
Db 106 :- SRDFTPPTKVLQSSCDGGHPPTRQLCLVSGYGPCTINTWLEQQMVDLSTA 163
Qy 305 STQEGELASTTOSBLTQSOKHLSDRTTQCVTQGHTEFDSTKCADSNPRGVAYSLR 364
Db 164 STQEGELASTTOSBLTQSOKHLSDRTTQCVTQGHTEFDSTKCADSNPRGVAYSLR 223
Qy 365 PSDLFLTRKSPITCLVUDLASKGTVNLTWASKGPKVNHSRKKEKONGLTVTST 424
Db 224 PSFDFLFRKSPITCLVUDLASKGTVNLTWASKGPKVNHSRKKEKONGLTVTST 283
Qy 425 LPVGTRDNTEGETYQCRVTHPHILPRLMRSTKTSGPRAPEVAFAFPBPGDRDKRT 484
Db 344 ACTIONFMPEDISVQWLNEVOLPDARHISTTQPRTKKGSSFFVRSRLEVTRAEBQKDEP 403
Qy 545 ICRVHEAASPQTQVRAVSVNPK 569
Db 404 ICRVHEAASPQTQVRAVSVNPK 428

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (215)..(219)
OTHER INFORMATION: Epitope including C2C3 linker

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (244)..(251)
OTHER INFORMATION: Epitope in BC loop

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (272)..(280)
OTHER INFORMATION: Epitope in DE loop

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (301)..(311)
OTHER INFORMATION: Epitope in FG loop

Query Match 57.4%; Score 1755; DB 9; Length 441;
Best Local Similarity 77.9%; Pred. No. 2.3e-107; Mismatches 57; Indels 24; Gaps 7;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPOVYRPPSRDELTKNQVSIT--CLVKGKFYPSDIAVEWESNGOPENNYKTP-PVLDs 185
Db 4 QSPSVFPLTRCKKNIPSNATSVTGLCIGFPEPVMTWDT-GSLNLTWTMLPATLTL 62

QY 186 VGSFFFLYSKLTVDKSRQOGNVFSCSUMHEALHNHY-QQRSLSLSPKGKVEGGGSGGGGS 244
63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNKTFSVC----- 105

QY 245 GGGSFTPPTVKIQLLOSSCDGGGHFPPTIQLCLVSGVGTGTTINITWEDQGMNDVULSTA 304
106 -SRDFTPPTVKIQLLOSSCDGGGHFPPTIQLCLVSGVGTGTTINITWEDQGMNDVULSTA 163

QY 305 STTOEGELASTOSELTLSQKHWLSDRRTYCQVTVQGHTFEDSTKKCADSNPRGSVAYLRS 364
164 STTOEGELASTOSELTLSQKHWLSDRRTYCQVTVQGHTFEDSTKKCADSNPRGSVAYLRS 223

QY 365 PSPFDLFRKSPTITCLVUDLAPSKGTNLTSRASGPVNINSTRKEKQRNGLTWT 424
224 PSPFDLFRKSPTITCLVUDLAPSKGTNLTSRASGPVNINSTRKEKQRNGLTWT 283

QY 425 LPVGTTRDIEGETYQCRTTHPRALMRSTKTSGPRAPEVYATPEWGSRDKRTL 484
284 LPVGTTRDIEGETYQCRTTHPRALMRSTKTSGPRAPEVYATPEWGSRDKRTL 343

QY 485 ACLTQNFMEDISQWLINEVQVLDARHSTTQRTKKGSGFFVFSRLEVTREWEQDEF 544
Db 344 ACUJQNFMEDISQWLINEVQVLDARHSTTQRTKKGSGFFVFSRLEVTREWEQDEF 403

QY 545 ICRAVHEAASPOTVORAVSVNP 567
Db 404 ICRAVHEAASPOTVORAVSVNP 426

RESULT 10
US-10-363-954A-7
Sequence 7, Application US/10363954A
Publication No. US20040156838A1
GENERAL INFORMATION:
APPLICANT: KLYNSNER, Steen et al.
TITLE OF INVENTION: METHOD FOR DOMN-REGULATING IGE
FILE REFERENCE: 4614-0115P
CURRENT FILING DATE: 2003-03-06
PRIOR APPLICATION NUMBER: US/10/363, 954A
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: DK PA 2000 01326
PRIOR FILING DATE: 2000-09-06

NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin version 3.1
SEQ ID NO 7
LENGTH: 441
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: DOMAIN
NAME/KEY: DOMAIN
LOCATION: (11)..(106)
OTHER INFORMATION: IgE heavy chain C1 domain

FEATURE: DOMAIN
NAME/KEY: DOMAIN
LOCATION: (217)..(317)
OTHER INFORMATION: IgE heavy chain C3 domain

FEATURE: DOMAIN
NAME/KEY: DOMAIN
LOCATION: (321)..(422)
OTHER INFORMATION: IgE heavy chain C4 domain

FEATURE: DOMAIN
NAME/KEY: DOMAIN
LOCATION: (427)..(441)
OTHER INFORMATION: MIGIS fragment

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (209)..(216)
OTHER INFORMATION: Linker between domains C2 and C3

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (205)..(219)
OTHER INFORMATION: Epitope including C2C3 linker

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (318)..(320)
OTHER INFORMATION: Linker between domains C3 and C4

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (315)..(323)
OTHER INFORMATION: Epitope including C3C4 linker

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (244)..(251)
OTHER INFORMATION: Epitope in BC loop

FEATURE: DOMAIN
NAME/KEY: MISC FEATURE
LOCATION: (301)..(311)
OTHER INFORMATION: Epitope in FG loop

Query Match 57.4%; Score 1755; DB 16; Length 441;
Best Local Similarity 77.9%; Pred. No. 2.3e-107; Mismatches 57; Indels 24; Gaps 7;
Matches 345; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

QY 129 REPOVYRPPSRDELTKNQVSIT--CLVKGKFYPSDIAVEWESNGOPENNYKTP-PVLDs 185
Db 4 QSPSVFPLTRCKKNIPSNATSVTGLCIGFPEPVMTWDT-GSLNLTWTMLPATLTL 62

QY 186 VGSFFFLYSKLTVDKSRQOGNVFSCSUMHEALHNHY-QQRSLSLSPKGKVEGGGSGGGGS 244
63 SGHYATISLLTV-SGAWAK-QMFTCRVAHTPSSTDWVNKTFSVC----- 105

QY 245 GGGSFTPPTVKIQLLOSSCDGGGHFPPTIQLCLVSGVGTGTTINITWEDQGMNDVULSTA 304
Db 106 -SRDFTPPTVKIQLLOSSCDGGGHFPPTIQLCLVSGVGTGTTINITWEDQGMNDVULSTA 163

QY 305 STTOEGELASTOSELTLSQKHWLSDRRTYCQVTVQGHTFEDSTKKCADSNPRGSVAYLRS 364

Db 164 STPGEGELASTSLLTSLSKHWSDRTYTCQVYQGHTFEDSTKCADSNPVGSAVLSR 223
 Qy 365 PSPFDLFIKRSPPTITCLVLDLAPSKGTVNLTWRSRASKPVNHSRKKEKQRNGTLTVST 424
 Db 224 PSPFDLFIKRSPPTITCLVLDLAPSKGTVNLTWRSRASKPVNHSRKKEKQRNGTLTVST 283
 Qy 425 LPVGTDRDTEGETYQCRVTHPHPRALMRSTTKSGPRAPEVAFATPEWPGSRDKTL 484
 Db 284 LPVGTDRDWEGETYQCRVTHPHPRALMRSTTKSGPRAPEVAFATPEWPGSRDKTL 343
 Qy 485 ACLIQNFMPEDISYQWLNEVQLDARSTTQPRKTKGSGFFVFSRLEUTRAWEQKF 54
 Db 344 ACLIQNFMPEDISYQWLNEVQLDARSTTQPRKTKGSGFFVFSRLEUTRAWEQKF 403
 Qy 545 ICRAVHEAASPSQTVORAVSVNP 567
 Db 404 ICRAVHEAASPSQTVORAVSVNP 426

RESULT 11
 US-10-872-932A-35
 ; Sequence 35, Application US/10872932A
 ; Publication No. US20050033029A1

GENERAL INFORMATION:
 ; APPLICANT: Jin Lu
 ; TITLE OF INVENTION: ENGINEERED ANTI-TARGET IMMUNOGLOBULIN DERIVED PROTEINS
 ; FILE REFERENCE: CEN03JNP
 ; CURRENT APPLICATION NUMBER: US/10/872,932A
 ; CURRENT FILING DATE: 2004-06-21
 ; PRIORITY NUMBER: US 60/483,654
 ; PRIORITY FILING DATE: 2003-06-30
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 35
 ; LENGTH: 497
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-872-932A-35

Query Match Best Local Similarity 57.3%; Score 1754.5; DB 17; Length 497;
 Matches 347; Conservative 17; Mismatches 57; Indels 27; Gaps 8;

Qy 129 REPVYVTPPSRBLTQNQVSLT--CLVKGPFYPSDIATEWESNCOPENNYKTRP-PVUDS 185
 Db 4 QSPSVFPLTRCCRNIPNSATSVTGLCATGYFPBPVMVWTD-GSLNGTTMILPATLTL 62

Qy 186 VGGFLFLYSLTVDKSRQWQGNVNSCSVMHEALNNHY-QORSLSLSPGKVEGGGGGGGS 244
 Db 63 SGHYTISLTU-SGAWAK-QMFCTCRAHTPPSSTDWNKTFSCVC----- 105

Qy 245 GGGSFTPTVKLIQSCCGGGHPRPTQLCLCLVSGY'PGTINITWLDGQMDVLISTA 304
 Db 106 -SRDFTPPTVKLIQSCCGGGHPRPTQLCLCLVSGY'PGTINITWLDGQMDVLISTA 163

RESULT 13
 US-10-000-429-6
 ; Sequence 6, Application US/10000439
 ; Publication No. US20030064063A1

GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR TREATMENT OF IMMUNE DISEASES
 ; FILE REFERENCE: UC067-004A
 ; CURRENT APPLICATION NUMBER: US/10/000 439
 ; CURRENT FILING DATE: 2001-10-24
 ; PRIORITY NUMBER: US 09/347,208
 ; PRIORITY FILING DATE: 2001-05-01
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 320
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

Db 404 DEFICRAVHEAASPSQTVORAVSVNP 431
 RESULT 12
 US-09-847-208-6
 ; Sequence 6, Application US/09847208
 ; Publication No. US20030082190A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saxon, Andrew
 ; APPLICANT: Zhang, Ke
 ; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF IGE-MEDIATED ALLERGIC DISEASES
 ; FILE REFERENCE: UC57-002A
 ; CURRENT APPLICATION NUMBER: US/09/847,208
 ; CURRENT FILING DATE: 2001-05-01
 ; NUMBER OF SEQ ID NOS: 177
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 320
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-847-208-6

Query Match Best Local Similarity 55.8%; Score 1707; DB 10; Length 320;
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FTPTPKVLIQSSCDGGHHFPPTLQCLCLVSGY'PGTINITWLDGQMDVLISTA 309
 1 FTPPTPKVLIQSSCDGGHHFPPTLQCLCLVSGY'PGTINITWLDGQMDVLISTA 60

Qy 310 GELASTOBELTSOKHWSDRTYTCQVYQGHTFEDSTKCADSNPVGSAVLSPRFD 369
 Db 61 GELASTOBELTSOKHWSDRTYTCQVYQGHTFEDSTKCADSNPVGSAVLSPRFD 120

Qy 370 LFTRKSPTITCLVLDLAPSKGTVNLTWRSRASKPVNHSRKKEKQRNGTLTVSTLPGT 429
 Db 121 LFTRKSPTITCLVLDLAPSKGTVNLTWRSRASKPVNHSRKKEKQRNGTLTVSTLPGT 180

Qy 430 RDWIEGETYQCRVTHPHPRALMRSTTKSGPRAPEVAFATPEWPGSRDKTLAC1Q 489
 Db 181 RDWIEGETYQCRVTHPHPRALMRSTTKSGPRAPEVAFATPEWPGSRDKTLAC1Q 240

Qy 490 NFMPEDISYQWLNEVQLDARSTTQPRKTKGSGFFVFSRLEUTRAWEQDEFICRAV 549
 Db 241 NFMPEDISYQWLNEVQLDARSTTQPRKTKGSGFFVFSRLEUTRAWEQDEFICRAV 300

Qy 550 HEAASPSQTVORAVSVNP 569
 Db 301 HEAASPSQTVORAVSVNP 320

US-10-000-439-6

Query Match 55.8%; Score 1707; DB 14; Length 320;
 Best Local Similarity 100.0%; Pred. No. 2,3e-104; Indels 0; Gaps 0;
 Matches 320; Conservative 0; Mismatches 0; Other Information: Epitope in BC loop

Qy 250 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 309
 Db 1 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 60

Qy 310 GELASTOSELTLSOKWHSRHTSDRTRTCQVYQHTFEDSTKCADSNPRAVSLSRSPFD 369
 Db 61 LFIKRSPPTITCIVLDLAPSKGTVNLTWASRGKPVNHSRKKEKORNGTLTVSTLPVG 120

Qy 370 LFIKRSPPTITCIVLDLAPSKGTVNLTWASRGKPVNHSRKKEKORNGTLTVSTLPVG 429
 Db 121 LFIKRSPPTITCIVLDLAPSKGTVNLTWASRGKPVNHSRKKEKORNGTLTVSTLPVG 180

Qy 430 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 489
 Db 181 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 240

Qy 490 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 549
 Db 241 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 300

Qy 550 HEAASPSTQVORAVSVNPK 569
 Db 301 HEAASPSTQVORAVSVNPK 320

RESULT 14

US-09-949-375A-2

Query Match 55.8%; Score 1707; DB 9; Length 323;
 Best Local Similarity 100.0%; Pred. No. 2,3e-104; Indels 0; Gaps 0;
 Matches 320; Conservative 0; Mismatches 0; Other Information: Epitope in FG loop

Qy 250 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 309
 Db 4 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 63

Qy 310 GELASTOSELTLSOKWHSRHTSDRTRTCQVYQHTFEDSTKCADSNPRAVSLSRSPFD 369
 Db 64 GELASTOSELTLSOKWHSRHTSDRTRTCQVYQHTFEDSTKCADSNPRAVSLSRSPFD 123

Qy 370 LFIKRSPPTITCIVLDLAPSKGTVNLTWASRGKPVNHSRKKEKORNGTLTVSTLPVG 429
 Db 124 LFIKRSPPTITCIVLDLAPSKGTVNLTWASRGKPVNHSRKKEKORNGTLTVSTLPVG 183

Qy 430 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 489
 Db 184 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 243

Qy 490 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 549
 Db 244 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 303

Qy 550 HEAASPSTQVORAVSVNPK 569
 Db 304 HEAASPSTQVORAVSVNPK 323

RESULT 15

US-09-949-375A-4

Query Match 55.8%; Score 1707; DB 4; Length 323;
 Best Local Similarity 100.0%; Pred. No. 09949375A
 Matches 320; Conservative 0; Mismatches 0; Other Information: Artificial Sequence

Qy 430 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 489
 Db 184 RDWIEGETYQCRVTHPHPRALMRSTTKTSKGPRAPAEVYAFATPEWPGSDRKTLCI 243

Qy 490 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 549
 Db 244 NFMPEDISVQMLNEVOLPDARHSTTOPRKTGKSGFFVFSRLEVTRAEMQDEFICRAV 303

Qy 550 HEAASPSTQVORAVSVNPK 569
 Db 304 HEAASPSTQVORAVSVNPK 323

RESULT 16

US-09-949-375A-4

Query Match 55.8%; Score 1707; DB 9; Length 323;
 Best Local Similarity 100.0%; Pred. No. 2,3e-104; Indels 0; Gaps 0;
 Matches 320; Conservative 0; Mismatches 0; Other Information: Artificial amino acid sequence of SEQ ID NO: 3.

Qy 250 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 309
 Db 4 FPPPTVKIQLQSCDGGHPRPTIQCLLUSGYTGTINTWLEBQVMVDLSTASQE 63

Qy 310 GELASTOSBELTSOKHMSDRYTQMVQGKTPEDSTKKCADSNPROVSALSRSPPD 369
Db 64 GELASTOSBELTSOKHMSDRYTQMVQGKTPEDSTKKCADSNPROVSALSRSPPD 123
Qy 370 LFTIRKSPPTICLVDLAPSKGTNTLNTRASRASKEPVNISTRKEERQRNGTLTWTSLPGT 429
Db 124 LFTIRKSPPTICLVDLASKGTNTLNTRASRASKEPVNISTRKEERQRNGTLTWTSLPGT 183
Qy 430 RWIEGETYQCRVTHPHPLRMRSTTKSGPRRAPEYAFATPEWPGSRDRTLACLIQ 489
Db 184 RWIEGETYQCRVTHPHPLRMRSTTKSGPRRAPEYAFATPEWPGSRDRTLACLIQ 243
Qy 490 NRPEDISVQWLNEVOLPDRHSTTOPRKTKSGFPVFSRLBVTRAWEQDFICRAV 549
Db 244 NRPEDISVQWLNEVOLPDRHSTTOPRKTKSGFPVFSRLBVTRAWEQDFICRAV 303
Qy 550 HEASPSOTVQRAVSVNPK 569
Db 304 HEASPSOTVQRAVSVNPK 323

search completed: March 14, 2005, 11:24:29
Job time : 142 secB

This Page Blank (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

Om protein - protein search, using sw model

Run on: March 14, 2005, 11:00:35 ; Search time 43 Seconds
(without alignments)
98.798 Million cell updates/sec

Title: US-09-847-208B-7
Perfect score: 3060
Sequence: 1 EPKSCDKTHCPPCPAPELL..... HEAASPSTQTVQRAVSVNPGK 569

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 487530

Minimum DB seq length: 0

Maximum DB seq length: 569

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

```
1: /cgn2_6/ptodata/1/1aa/5A-COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B-COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A-COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B-COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCUS-COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfilesl.pep:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1701	55.6	325	4	US-09-701-623C-1 Sequence 1, Appli
2	1247	40.8	277	4	US-09-428-082B-22 Sequence 22, Appli
3	1243	40.6	268	4	US-09-428-082B-9 Sequence 8, Appli
4	1243	40.6	269	4	US-09-422-838C-46 Sequence 16, Appli
5	1226	40.1	253	4	US-09-428-082B-16 Sequence 50, Appli
6	1225	40.0	232	2	US-09-595-043A-50 Sequence 26, Appli
7	1225	40.0	232	4	US-09-968-362A-26 Sequence 3, Appli
8	1225	40.0	331	3	US-09-178-869-2 Sequence 2, Appli
9	1225	40.0	331	4	US-09-761-413-2 Sequence 11, Appli
10	1225	40.0	360	3	US-09-180-100-11 Sequence 7, Appli
11	1225	40.0	371	3	US-08-236-311-7 Sequence 12, Appli
12	1225	40.0	371	4	US-09-457-918-7 Sequence 14, Appli
13	1225	40.0	371	4	US-10-157-400-7 Sequence 11, Appli
14	1225	40.0	376	3	US-09-180-100-22 Sequence 22, Appli
15	1225	40.0	395	2	US-08-784-512-3 Sequence 3, Appli
16	1225	40.0	396	3	US-08-176-228-3 Sequence 16, Appli
17	1225	40.0	424	5	PCT-US95-03866-12 Sequence 17, Appli
18	1225	40.0	424	5	PCT-US95-03866-14 Sequence 18, Appli
19	1225	40.0	437	5	PCT-US96-1043-11 Sequence 19, Appli
20	1225	40.0	442	4	US-09-472-888A-7 Sequence 20, Appli
21	1225	40.0	442	5	PCT-US96-10043-9 Sequence 21, Appli
22	40.0	446	3	US-08-377-411-7 Sequence 22, Appli	
23	40.0	449	1	US-08-458-516-13 Sequence 23, Appli	
24	40.0	452	4	US-09-773-877B-16 Sequence 24, Appli	
25	40.0	459	1	US-08-157-101A-7 Sequence 25, Appli	
26	40.0	462	1	US-07-773-877B-18 Sequence 26, Appli	
27	40.0	467	4	US-08-030-175-41 Sequence 27, Appli	

ALIGNMENTS

SEQ ID NO	TYPE	LENGTH:
1	PT	325
1	Application	US/09701623C
1	Patent No.	6811782
1	GENERAL INFORMATION:	
1	APPLICANT:	Wang Ph.D., Chang Yi
1	TITLE OF INVENTION:	PEPTIDE COMPOSITION AS IMMUNOGEN FOR THE TREATMENT OF ALLERGY
1	FILE REFERENCE:	1155415US1
1	CURRENT APPLICATION NUMBER:	US/09/701.623C
1	CURRENT FILING DATE:	2000-12-01
1	PRIOR APPLICATION NUMBER:	PCT/US99/13959
1	PRIOR FILING DATE:	1999-06-21
1	PRIOR APPLICATION NUMBER:	09/1100,287
1	PRIOR FILING DATE:	1998-06-20
1	NUMBER OF SEQ ID NOS:	91
1	SOFTWARE:	PatentIn Ver. 2.1
1	SEQ ID NO	1
1	ORGANISM:	HUMAN
1	FEATURE:	
1	OTHER INFORMATION:	CH2CH3 of human IgE
1	PUBLICATION INFORMATION:	
1	AUTHORS:	Dorriech, Bennich,
1	JOURNAL:	Immunology
1	VOLUME:	41
1	PAGES:	3-25
1	DATE:	1978
1	US-09-701-623C-1	
1	Query Match	55.6 %
1	Best Local Similarity	99.4 %
1	Matches	318
1	Conservative	2
1	Mismatches	0
1	Indels	0
1	Gaps	0
1	QY	250 FTPPFVKLILQSSCDGGHPPFTQLCLJVGYPTGTTINITWLQDGVMDVLDIATSTQD 309
1	DB	6 FTTPFVKLILQSSCDGGHPPFTQLCLJVGYPTGTTINITWLQDGVMDVLDIATSTQD 65
1	QY	310 GELASTQSRLLTSLQKHWMSDRTYCQVYQGHFPEDSTKCAQSNPRVSAYLSRSPFD 359
1	DB	66 GELASTQSRLLTSLQKHWMSDRTYCQVYQGHFPEDSTKCAQSNPRVSAYLSRSPFD 125
1	QY	370 LFTRKSPITCLVUDLASKGKTINLTWASRASCKPVNTRKEKQRNLTWTPLVGT 429
1	DB	126 LFTRKSPITCLVUDLASKGKTINLTWASRASCKPVNTRKEKQRNLTWTPLVGT 185
1	QY	430 RDWIEGETYQCRVTHPHPRALMRSTTTSGRPRAPEWYATAPPEWPGSQRDKRTLACIQ 499

RESULT 2
US-09-428-082B-22
; Sequence 22, Application US/09428082B
; Patent No. 6610843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; CURRENT APPLICATION NUMBER: US/09/428, 082B
; CURRENT FILING DATE: 1999-10-22
; PRIORITY APPLICATION NUMBER: 60/105, 371
; PRIORITY FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Fc-EMP-EMP
; US-09-428-082B-22
Query Match 40.8%; Score 1247; DB 4; Length 277;
Best Local Similarity 81.8%; Pred. No. 3.5e-97;
Matches 239; Conservative 7; Mismatches 12; Indels 34; Gaps 5;
Qy 6 DKHHTCPCCPAPBLLGGPSVFLPPKDTLMSRTPBTVCVVDSHEDPSVKFNVVD 65
Db 2 DKHHTCPCCPAPBLLGGPSVFLPPKDTLMSRTPBTVCVVDSHEDPSVKFNVVD 61
Qy 66 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 125
Db 66 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 125
Qy 62 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 121
Db 62 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 121
Qy 126 VQREPQQYTLPSPRSDELTKNOVSLTCLVKGFPSPDIAVENESNGOPENNYYKTPVLDs 185
Db 122 GQREPQQYTLPSPRSDELTKNOVSLTCLVKGFPSPDIAVENESNGOPENNYYKTPVLDs 181
Qy 186 VGSFLFLYSLTVDKSRMQRGNVFSCSVMEHALHNHYQORSLISLSPKGKVEGGGSG---- 240
Db 182 DGSFLFLYSLTVDKSRMQRGNVFSCSVMEHALHNHYQORSLISLSPKGKVEGGGSG---- 241
Qy 241 -----GGGGGGGSRMPPTVK 256
Db 242 WLAARAGGGGGGGGSGPTLR 262

RESULT 4
US-09-422-838C-46
; Sequence 46, Application US/09422838C
; Patent No. 6835809
; GENERAL INFORMATION:
; APPLICANT: Liu, Chuan-Fa
; APPLICANT: Feige, Ulrich
; APPLICANT: Cheetham, Janet C.
; TITLE OF INVENTION: Thrombopoietic Compounds
; FILE REFERENCE: 01017/36263
; CURRENT APPLICATION NUMBER: US/09/422, 838C
; CURRENT FILING DATE: 1999-10-22
; PRIORITY APPLICATION NUMBER: 60/105, 348
; PRIORITY FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; US-09-422-838C-46
Query Match 40.6%; Score 1243; DB 4; Length 269;
Best Local Similarity 88.9%; Pred. No. 7.2e-97;
Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;
Qy 6 DKHHTCPCCPAPBLLGGPSVFLPPKDTLMSRTPBTVCVVDSHEDPSVKFNVVD 65
Db 2 DKHHTCPCCPAPBLLGGPSVFLPPKDTLMSRTPBTVCVVDSHEDPSVKFNVVD 61
Qy 66 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 125
Db 62 GVEVNHNKTKPREEQNSTYRVSVLTVLHQVNWMCKEKKVSNKALAPIEKTISAK 121

QY 126 VQREPQQVTLLPSRDELTKNQSLTCLVKGFVPSDIAVEWNSNGOPENNYKTPVILDS 185
; Sequence 16, Application US/09428082B
; Patent No. 6650843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/09/428, 082B
PRIORITY APPLICATION NUMBER: 60/105,371
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: PatentIn version 3.1
SEQ ID NO 16 LENGTH: 253
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: FC-EMP
; US-09-428-082B-16

Query Match 40.1% Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Prod. No. 1.8e-95;
Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;

QY 6 DKTHTCPCPAPELGGGSVFLPPPKDTLMISRTPETVCVVNDVSHEDPENKFVNWVD 65
Db 2 DKHTCPCPAPELGGGSVFLPPPKDTLMISRTPETVCVVNDVSHEDPENKFVNWVD 61
QY 66 GVYVHNVKTKPRHOYNSTYRVVSVLTVLHQNMNGKEYKCKVSKNKLAPAPIETKISKAK 125
Db 62 GVEVHNNAKTKPRBQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSKNKLAPAPIETKISKAK 121
Db 126 VQREPQQVTLLPSRDELTKNQSLTCLVKGFVPSDIAVEWNSNGOPENNYKTPVILDS 185
Db 122 GQREPQQVTLLPSRDELTKNQSLTCLVKGFVPSDIAVEWNSNGOPENNYKTPVILDS 181
Db 186 VQREPQQVTLLPSRDELTKNQSLTCLVKGFVPSDIAVEWNSNGOPENNYKTPVILDS 245
Db 182 DGSEFLFLYSLTVLDSRQGQNVFSCSVHAEALHNHYTQKSLISLSPKG-----GGG 232
QY 246 GCSFTPPRPTVKIQLQSSCDGGGHFPEPTIOLCYSG 280
Db 233 GGGTY-----SC-----HFGP-LTVCKPOG 252

RESULT 5 US-09-428-082B-15
; Sequence 16, Application US/09428082B
; Patent No. 6650843
; GENERAL INFORMATION:
; APPLICANT: SCARATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:

RESUL 6 US-08-595-043A-50
; Sequence 50, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SCARATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:

RESUL 7 US-09-368-362A-26
; Sequence 26, Application US/09968362A
; Patent No. 6737493
; GENERAL INFORMATION:
; APPLICANT: Sun, Lee-Hwei K
; APPLICANT: Sun, Bill
; APPLICANT: Sun, Cecily R
; TITLE OF INVENTION: FC fusion proteins of human granulocyte colony-stimulating factor v
FILE REFERENCE: 03JUN2001
CURRENT APPLICATION NUMBER: US/09/968, 362A
CURRENT FILING DATE: 2001-10-01
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 26 LENGTH: 232
TYPE: PRT
ORGANISM: Human IgG1 FC with native hinge, CH2 and CH3 domains
; Query Match 40.0% Score 1225; DB 4; Length 232;

Db 309 |||||||PVLDSDSFLYSLTVDKSRWQGNVFSCSWHEALHNHYTOKSLSLSPGK 360
 RESULT 11
 Sequence 7, Application US/08236311
 US-08-236-311-7
 Patent No. 5565335
 GENERAL INFORMATION:
 APPLICANT: Capon, Daniel J.
 APPLICANT: Gregory, Timothy J.
 TITLE OF INVENTION: Adhesion Variants
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/236,311
 FILING DATE: 02-MAY-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/936190
 FILING DATE: 26-AUG-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/842777
 FILING DATE: 18-FEB-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/250785
 FILING DATE: 28-SEP-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/104329
 FILING DATE: 02-OCT-1987
 ATTORNEY/AGENT INFORMATION:
 NAME: Haak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 444P1C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 371 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-236-311-7
 Query Match 40.0%; Score 1225; DB 1; Length 371;
 Best Local Similarity 97.0%; Pred. No. 3.8e-95;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPDTLMISRPTETCVVVVDVSHEDPEVKF 60
 Db 140 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPDTLMISRPTETCVVVVDVSHEDPEVKF 199
 Qy 61 NWYVDGVENVHNVKTKPREQNYSTYRVSVLTLHQNMNGKEYCKVSKNKLAPIEKT 120
 Db 200 NWYVDGVENVHNVKTKPREQNYSTYRVSVLTLHQDMNLNGKEYCKVSKNKLAPIEKT 259
 Qy 121 ISKAKVQREPPQYTLPSSRDELTKNQSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 260 ISKAKGQPREPQYTLPSSRDELTKNQSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 319
 Qy 181 PVLDSDSFLYSLTVDKSRWQGNVFSCSWHEALHNHYTOKSLSLSPGK 232

Db 320 |||||||PVLDSDSFLYSLTVDKSRWQGNVFSCSWHEALHNHYTOKSLSLSPGK 371
 RESULT 12
 Sequence 7, Application US/08457918
 US-08-457-918-7
 Patent No. 611655
 GENERAL INFORMATION:
 APPLICANT: Capon, Daniel J.
 APPLICANT: Gregory, Timothy J.
 TITLE OF INVENTION: Adhesion Variants
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/457,918
 FILING DATE: 1-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/236311
 FILING DATE: 02-MAY-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/936190
 FILING DATE: 26-AUG-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/842777
 FILING DATE: 18-FEB-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/250785
 FILING DATE: 28-SEP-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/104329
 FILING DATE: 02-OCT-1987
 ATTORNEY/AGENT INFORMATION:
 NAME: Kubinec, Jeffrey S.
 REGISTRATION NUMBER: 36,575
 REFERENCE/DOCKET NUMBER: P044P1C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-8228
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 371 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-457-918-7
 Query Match 40.0%; Score 1225; DB 3; Length 371;
 Best Local Similarity 97.0%; Pred. No. 3.8e-95;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPDTLMISRPTETCVVVVDVSHEDPEVKF 60
 Db 140 EPKSCDKHTCPICPAPBLLGGPSVFLPPKPDTLMISRPTETCVVVVDVSHEDPEVKF 199
 Qy 61 NWYVDGVENVHNVKTKPREQNYSTYRVSVLTLHQNMNGKEYCKVSKNKLAPIEKT 120
 Db 200 NWYVDGVENVHNVKTKPREQNYSTYRVSVLTLHQDMNLNGKEYCKVSKNKLAPIEKT 259
 Qy 121 ISKAKVQREPPQYTLPSSRDELTKNQSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180
 Db 260 ISKAKGQPREPQYTLPSSRDELTKNQSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 319
 Qy 181 PVLDSDSFLYSLTVDKSRWQGNVFSCSWHEALHNHYTOKSLSLSPGK 232

RESULT 13
 ; Sequence 7, Application US/10157408
 ; GENERAL INFORMATION:
 ; APPLICANT: Capon, Daniel J.
 ; TITLE OF INVENTION: Gregory, Timothy J.
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Ratin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/157,408
 FILING DATE: 28-MAY-2002
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/457,918
 FILING DATE: 1-JUN-1995
 APPLICATION NUMBER: 08/09/36311
 FILING DATE: 02-MAY-1994
 APPLICATION NUMBER: 07/936190
 FILING DATE: 26-AUG-1992
 APPLICATION NUMBER: 07/642777
 FILING DATE: 18-FEB-1992
 APPLICATION NUMBER: 07/250785
 FILING DATE: 28-SEP-1988
 APPLICATION NUMBER: 07/104329
 FILING DATE: 02-OCT-1987
 ATTORNEY/AGENT INFORMATION:
 NAME: Kubinec, Jeffrey S.
 REGISTRATION NUMBER:
 REFERENCE/DOCKET NUMBER: P044P1C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-8228
 TELEFAX: 415/952-9881
 TELIX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 371 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 US-10-157-408-7
 Query Match
 Best Local Similarity 40.0%; Score 1225; DB 3; Length 376;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHCPCPAPELGGPSVFLPPKPDITMISRTPEVTCVWDVSHEDPEVKF 60
 Db 145 EPKSCDKTHCPCPAPELGGPSVFLPPKPDITMISRTPEVTCVWDVSHEDPEVKF 204
 Qy 61 NWYVGDGVENHAKTKPREBQNYSTYRVSVLHOMWNGKEYCKVSKNKPAPTEKT 120
 Db 205 NWYVGDGVENHAKTKPREBQNYSTYRVSVLHOMWNGKEYCKVSKNKPAPTEKT 264
 Qy 121 ISKAQVPRPQVTLPPSRDELTKNOVSITCLVKGKYPDSIAVEMENGOPENNYKTP 180
 Db 265 ISKAQVPRPQVTLPPSRDELTKNOVSITCLVKGKYPDSIAVEMENGOPENNYKTP 324
 Qy 181 PVLDVGSPFLYSKLTVDKSRQGNVFCSCVMHEALTHNHTOKSLSLSPCK 371
 Db 325 PVLDSDGSFFLYSKLTVDKSRQGNVFCSCVMHEALTHNHTOKSLSLSPCK 376
 RESULT 14
 ; Sequence 22, Application US/09180100
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAMURA, No. 630639510
 ; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
 FILE REFERENCE: 1110-07P
 CURRENT APPLICATION NUMBER: US/09/180,100
 CURRENT FILING DATE: 1998-11-02
 EARLIER APPLICATION NUMBER: PCT/JP97/01502
 EARLIER FILING DATE: 1997-05-01
 NUMBER OF SEQ ID NOS: 25
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 22
 LENGTH: 376
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-180-100-22
 Query Match
 Best Local Similarity 97.0%; Pred. No. 3.9e-95; Score 1225; DB 3; Length 376;
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 EPKSCDKTHCPCPAPELGGPSVFLPPKPDITMISRTPEVTCVWDVSHEDPEVKF 60
 Db 145 EPKSCDKTHCPCPAPELGGPSVFLPPKPDITMISRTPEVTCVWDVSHEDPEVKF 204
 Qy 61 NWYVGDGVENHAKTKPREBQNYSTYRVSVLHOMWNGKEYCKVSKNKPAPTEKT 120
 Db 205 NWYVGDGVENHAKTKPREBQNYSTYRVSVLHOMWNGKEYCKVSKNKPAPTEKT 264
 Qy 121 ISKAQVPRPQVTLPPSRDELTKNOVSITCLVKGKYPDSIAVEMENGOPENNYKTP 180
 Db 265 ISKAQVPRPQVTLPPSRDELTKNOVSITCLVKGKYPDSIAVEMENGOPENNYKTP 324
 Qy 181 PVLDVGSPFLYSKLTVDKSRQGNVFCSCVMHEALTHNHTOKSLSLSPCK 371
 Db 325 PVLDSDGSFFLYSKLTVDKSRQGNVFCSCVMHEALTHNHTOKSLSLSPCK 376
 RESULT 15
 ; Sequence 3, Application US/09784512
 ; GENERAL INFORMATION:
 ; APPLICANT: BARTNIK, Eckart
 ; APPLICANT: EIDENMEIER, Bernd
 ; APPLICANT: BUETTNER, Frank
 ; APPLICANT: CATHERSON, Bruce
 ; APPLICANT: HUGHES, Clare
 ; TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)
 ; TITLE OF INVENTION: and native aggrecon to study the proteolytic activity of
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: Suite 500, 3000 K Street, N.W.
 ; CITY: Washington, D.C.
 ; COUNTRY: USA
 ; ZIP: 20007-5109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT SOFTWARE: Patent in Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/784,512
FILING DATE: 17-JAN-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: EP 96100682.2
FILING DATE: 18-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 1848/311
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
TELEX: 904136

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:
NAME/KEY: Protein
LOCATION: 1..396

US-08-784,512-3

Query Match 40.0% Score 1225; DB 2; Length 396;
Best Local Similarity 97.0%; Pred. No. 4.2e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
Qy 1 EPKSCDKHTCPICPCAPBLLGGPSVFLPPKPKDTIMSRTEPVTCWVNDVSHEDPEVKP 60
Db 165 EPKSCDKHTCPICPCAPBLLGGPSVFLPPKPKDTIMSRTEPVTCWVNDVSHEDPEVKF 224
Qy 61 NWYVVDGVEVHNWKTKPREEQYNSTYRVVSVLTVLHQNMNGKEYKCKVSKNKLAPAPTEKT 120
Db 225 NWYVVDGVEVHNWKTKPREEQYNSTYRVVSVLTVLHQDMNGKEYKCKVSKNKLAPAPTEKT 284
Qy 121 ISKAKVOPREPQYTLPSPRSRDELTKNOVSLTCLVKGFYPSDAVEMESENGQPENNYKTP 180
Db 285 ISKAKGQPREPVQYTLPSPRSRDELTKNOVSLTCLVKGFYPSDAVEMESENGQPENNYKTP 344
Qy 181 PVLDSVSFFLSKLTVDKSRSRQGNFTCSWHEALTHNHYQRSLSLSPGK 232
Db 345 PVLDSVSFFLSKLTVDKSRSRQGNFTCSWHEALTHNHYQRSLSLSPGK 396

Search completed: March 14, 2005, 11:13:23
Job time : 44 secs

This Page Blank (uspto)